MY18 TM Barina

Owner's Manual

Holden

GM Holden Ltd, ABN 84 006 893 232, Holden New Zealand Ltd., Company Number 1602 (hereinafter Holden)

Change of name, address or ownership

If you drive a pre-owned Holden, have moved house or changed any of your details, we'd like to hear from you!

Holden uses your details to keep your vehicle's factory provided Roadside Assistance and Warranty details up to date.

It also helps us let you know if there is an existing rework action required on your vehicle. To update your details, please take a few minutes to fill in and mail the form at the back of the Service & Warranty Booklet or visit Holden's website at: www.holden.com.au/forms/change-of-owner-details

GM Holden Ltd (Holden) is collecting the new owner's personal information in order to process the request for transfer for the specified vehicle. We may disclose your personal information to our related companies and third parties who provide us with (or help us provide) products and services, including to overseas locations such as the USA, and other countries in Europe, Oceania and Asia.
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You can contact Holden on 1800 033 349 or alternatively, you may prefer to email Holden at: holdencustomercare@gm.com

Note: Please refer to the inside front cover of the Service & Warranty Booklet for the Vehicle Identification Certificate.

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Printed in Australia
Part No. 92508899
September 2017
(MY18 TM Barina. Print 2)

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Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.
This owner's manual applies to the current Barina vehicles. Therefore, due to different models and options, you may find reference in this manual to some equipment not fitted to your own vehicle.
Please note that all information, illustrations and specifications in this manual are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, special equipment or accessories**.
- The 'In brief' section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- For a complete list of the registered trademarks contained in this manual: *Trademarks and licence agreements* ⇨ *202.*

Symbols

Page references indicated with ⇨. This indicates 'see page'.

Danger, Warning and Caution

⚠Danger

Text marked ⚠ **Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning

Text marked ⚠ **Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution

Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

In brief

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Initial drive information

Locking/unlocking the vehicle

Remote keyless entry

With ignition switch

With electronic key system

The key operates all doors and the ignition.

- Press to unlock the doors and the tailgate.

  The hazard lamps flash twice.
- Press to lock the doors and the tailgate.

  The hazard lamps flash once.

Central locking system ⇨ *21*

Tailgate ⇨ *26*

Seat adjustment

Seat positioning

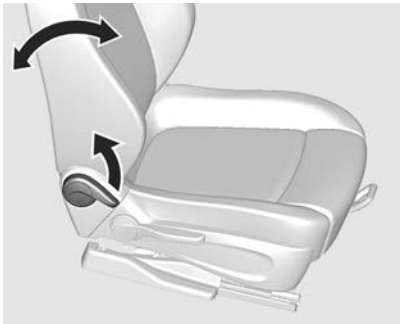
1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.

   Try to move the seat back and forth to ensure the seat is locked in place.

Seat position ⇨ *34*

Seat adjustment ⇨ *35*

Seat backrests

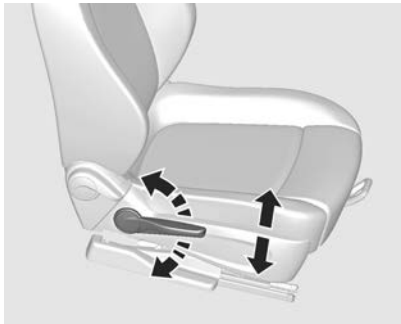


1. Recline the seatback by pulling the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note
Do not lean on the seat when adjusting.

Seat adjustment ⇨ *35*

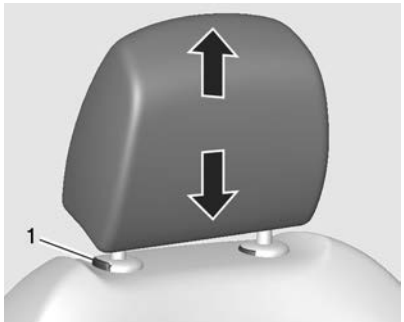
Seat height



- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Seat adjustment ⇨ *35*

Head restraint adjustment



- To raise the head restraint, pull the head restraint upwards.
- To lower the head restraint, press (1) and push the head restraint downwards.

Head restraints ⇨ 33

Seat belts

1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Seat belts ⇨ 38

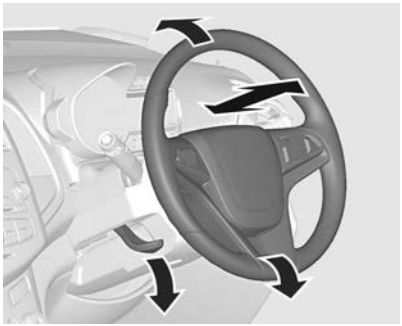
Mirror adjustment

Interior mirrors

To reduce headlamp glare from following vehicles, pull the lever towards the rear of the vehicle.

Interior mirrors ⇨ 28

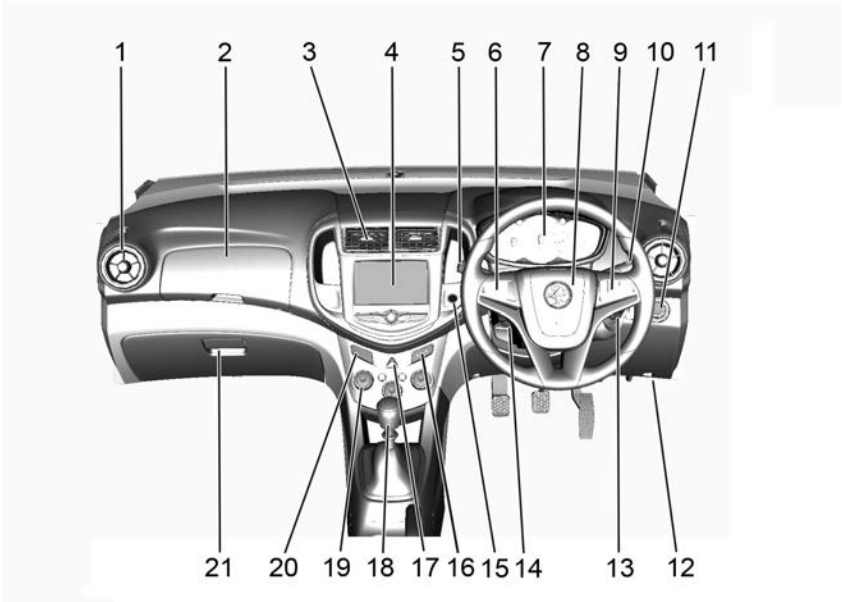
Steering wheel adjustment



1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering wheel adjustment ⇨ 55

Instrument panel overview



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18. Shift lever ⇨ *135, 140*
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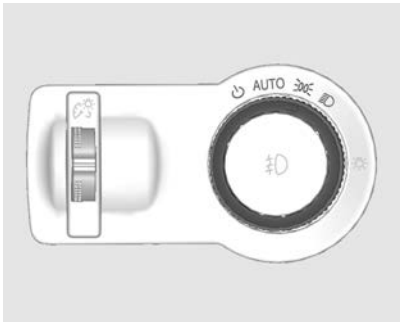
21. Glove box ⇨ *51*

Exterior lighting



⏻ (OFF): Rotate to turn all lamps and lights off.

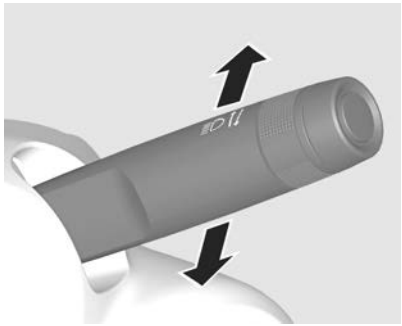
AUTO: Exterior lamps and instrument panel lights turn on or off automatically, depending on the ambient light.

(Park lamps): Turns on the park lamps, number plate lamps and instrument panel lights.

(Headlamps): Turns on the headlamps and all park lamps.

Exterior lighting ⇨ *80*

High/low beam



- To switch from low to high beam, push the lever.
- To switch to low beam, push again or pull the lever.

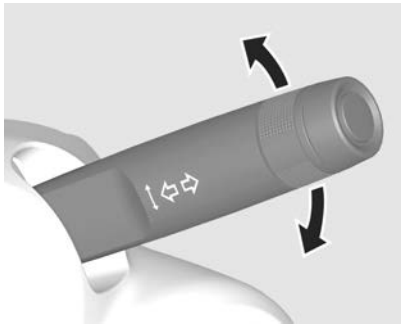
Headlamp high/low beam ⇨ *81*

Hazard warning flashers

Press ⚠ to turn the hazard warning flashers on or off, when the ignition is in any position.

Hazard warning flashers ⇨ *82*

Turn and lane-change signals



- Push the lever in the direction the steering wheel is turned.
- A green arrow on the instrument cluster flashes when the lamps are in operation.

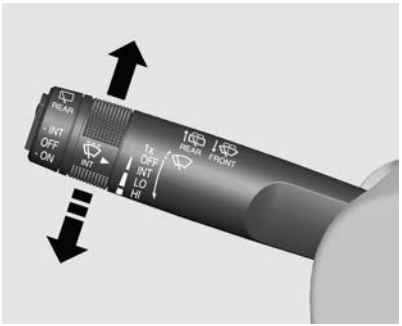
Turn and lane change signals ⇨ 82

Horn

Press .

Washer and wiper systems

Windscreen wiper



1x: Misting function

OFF: Off

INT: Intermittent operation

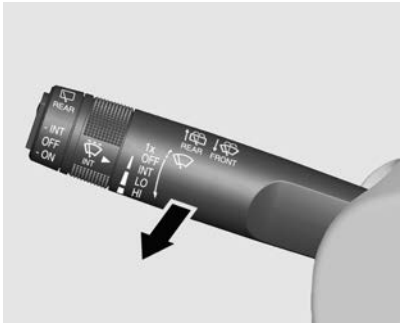
LO: Continuous wipe, slow speed

HI: Continuous wipe, fast speed

For a single wipe when the windscreen wipers are off, lightly move the lever up and release it.

Windscreen wiper/washer ⇨ 56

Windscreen washer



Pull the lever rearwards to wash the windscreen.

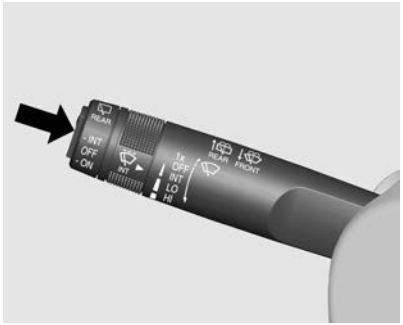
Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Windscreen wiper/washer ⇨ *56*

Washer fluid ⇨ *163*

Rear window wiper/washer

Wiper

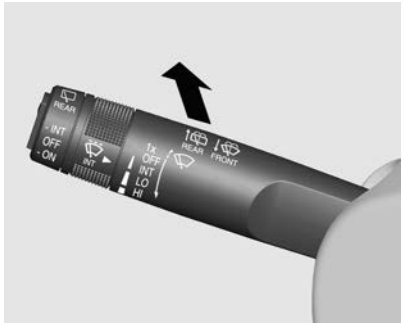


- INT: Intermittent wipes, push in at the top of the button.

OFF: To turn the wipers off, place the switch in the neutral position.

- ON: Continuous wipes, push in at the bottom of the button.

Washer



Push the lever forwards.

Washer fluid is sprayed onto the rear window and the wiper cycles for a few strokes.

Rear window wiper/washer ⇨ *58*

Washer fluid ⇨ *163*

Climate control

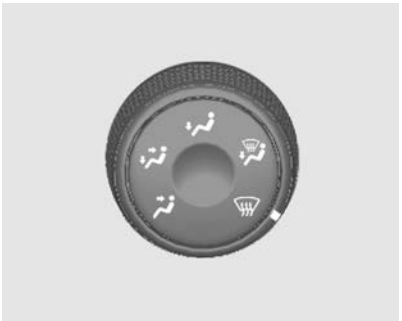
Heated rear window

Press ⌧.

Operate when the engine is running.

Heated rear window ⇨ *30*

Demisting and defrosting the windows



Rotate to select ⌧.

Windscreen demister ⇨ *124*

Transmission

Manual transmission

Select reverse gear while the vehicle is stationary:

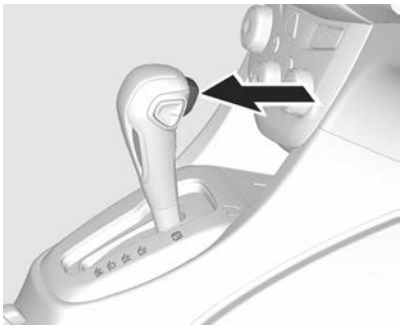
1. Press the clutch pedal to the floor.
2. Pull the ring upwards.
3. Move the shift lever to position **R**.

If the gear does not engage:

1. Return the shift lever to neutral.
2. Release the clutch pedal.
3. Push the clutch pedal again and repeat gear selection.

Manual transmission ⇨ *140*

Automatic transmission



P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

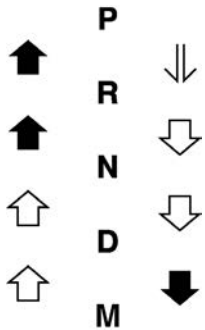
R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral)

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

M: (manual)

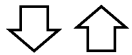
Movement between certain gear positions requires pressing the release button on the shift lever and/or depressing the brake pedal.



Follow the descriptions as indicated by the arrows when moving the shift lever.

Press the release button to select a gear.

Depress the brake pedal and press the release button to select a gear.



Shift freely to select a gear.

Automatic transmission ⇨ 135

Getting started

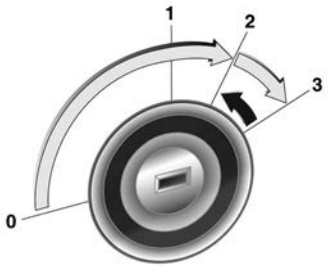
1. Check the windows, mirrors and lamps are clean.
2. Visually check tyre inflation. Check tyre pressures weekly.
3. Close and secure all doors.
4. Position the seat for comfortable driving.
5. Adjust rear view mirrors.
6. Fasten seat belts.
7. Check the warning indicators illuminate when turning the ignition on.

Warning lights, gauges and indicators ⇨ 60

Driving and operating ⇨ 128

Starting the engine

Vehicles with ignition switch



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0: (LOCK) The key can only be inserted and removed from this position.

1: (ACC) When the key is in this position, the infotainment system operates.

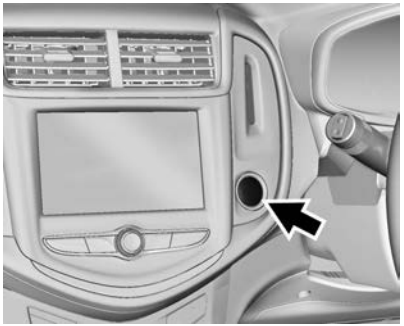
2: (ON) When the key is in this position, the engine is ready to start and all electrical systems are active.

Do not leave the switch in this position for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

3: (START) Turn the key to this position and release when the engine is running.

Starting the engine ⇨ 131

Vehicles with electronic key system



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

1. Have the electronic key inside the vehicle.
2. Depress the brake pedal.
3. Automatic transmission in P or N.
4. Do not operate the accelerator pedal.
5. Press the Engine Start/Stop button.

The engine starts after a short delay.

Starting the engine ⇨ 131

Parking

1. Apply the park brake firmly without pressing the release button.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.
3. Shut all windows.
4. Turn the ignition off and for vehicles with ignition switch, remove the key .
5. Press on the key to lock all doors.

Driving and operating ⇨ 128

Keys, doors and windows

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Keys and locks

Keys

Caution
Do not attach heavy or bulky items to the ignition key.

With ignition switch

With electronic key system

The key operates all doors and the ignition.

- Press to unlock the doors and the tailgate.

  The hazard lamps flash twice.
- Press to lock the doors and the tailgate.

  The hazard lamps flash once.

Tailgate ⇨ 26

Foldaway key blade

The vehicle may have a foldaway key blade.

1. Press button to extend the key blade.
2. To retract the key blade, press the button and fold the blade into the key.

About the keys

- The remote control has a range of up to 30 metres.
- The range depends on the charge of the key battery, on ambient conditions, the key's location and the area between them.
- Take care that no button is pressed unintentionally, especially when the vehicle is out of sight.
- Protect from moisture and high temperatures.

The key buttons may not work if:

- More than 30 metres from the vehicle.
- Battery voltage is too low. *Battery replacement ⇨ 18*
- The key buttons are operated repeatedly while not in range of the vehicle.

- The central locking system is operated at frequent intervals.
- The power supply is interrupted for a short time.
- The vehicle is parked near strong radio activity.

Replacement keys

If a key is lost, a replacement can be ordered through any Holden Dealer by quoting the key code number. The number is printed on a detachable tag supplied with the key.

Remote control

Battery replacement

As soon as the range of the remote control reduces, replace the battery.

With ignition switch

Use a CR2032 battery or equivalent.

1. Open the cover.
2. Remove the used battery.

   Avoid touching the circuit board to other components.
3. Install the new battery.
   Place the negative side (-) down towards the base.
4. Close the cover.
5. Check the key operation.

With electronic key system

Use a CR2032 battery or equivalent.

1. Press button on the side of the transmitter to remove the key blade.
2. Reinsert the key blade approximately 5 mm and rotate the key blade to remove the back cover, as shown.

Note:
Take care that no parts fall out.

3. Carefully lift the battery up using a flat tool.
4. Remove the battery.
5. Insert the new battery, positive side toward the back cover.
6. Replace the back cover. Ensure it clips in place securely.
7. Check key operation.

Note

- Batteries do not belong in household waste. Dispose of at an appropriate recycling collection point.
- Avoid dropping the transmitter.
- Do not place heavy objects on the transmitter.
- Keep the transmitter away from water and direct sunlight.

  If the transmitter gets wet, wipe it with a soft cloth.

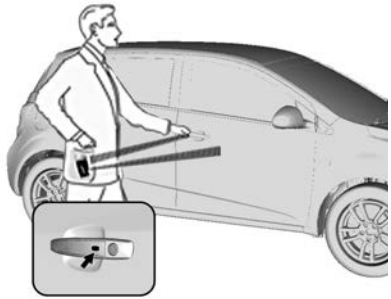
Caution
Avoid touching the flat surfaces of the battery, the circuit board and other components inside the remote control with bare fingers. Handling will shorten battery life.

Remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock and turn the ignition switch to the ON position.

The remote control is synchronised when the ignition is switched on.

Electronic key system



Enables a keyless operation of the following functions:

- Central Locking System ⇨ *21*
- Load Compartment ⇨ *26*
- Starting the Engine ⇨ *131*

The electronic key simply needs to be on the driver's person.

Additionally the electronic key includes the functionality of the remote control ⇨ *18.*

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Note:
Do not put the electronic key in the load compartment or in front of the infotainment display.

Replacing battery in electronic key

Replace the battery as soon as the system no longer operates properly or the range is reduced. The need for battery replacement is indicated by a message in the Driver Information centre.

Vehicle messages ⇨ *71*

Battery replacement ⇨ *18*

Electronic key synchronisation

The electronic key synchronises itself automatically during every starting procedure.

Fault

If the central locking cannot be operated or the engine cannot be started, the cause may be one of the following:

- Fault in electronic key
- Electronic key out of reception range
- Battery voltage too low
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time
- Interference from higher-power radio waves from other sources

To rectify the cause of the fault, change the position of the electronic key.

Central locking system ⇨ *21*

To start the vehicle with a low transmitter battery.

Starting the engine ⇨ *131*.

Memorised settings

Whenever the key is removed from the ignition switch, or for vehicles with electronic key system, after the Engine Start/Stop button is pressed off, the following settings may be automatically memorised by the key:

- lighting
- infotainment system
- central locking system
- comfort settings

This can be set for each key used.

Central locking system

Doors may be locked and unlocked by pushing buttons on:

- The driver's door
- The key from inside or outside the vehicle
- The central locking button inside the vehicle

Note

The driver's door must be closed for the driver's door to lock.

Settings can be changed in the Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

Central locking button

Locks and unlocks all doors, the tailgate and fuel filler door.

- Press to lock.
- Press to unlock.

If the driver's door is open, the driver's door and fuel filler door cannot be locked.

Settings can be changed in the Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

Unlocking

- Press .

  All doors unlock.

  The hazard lamps flash twice.

To unlock the driver's door only or to change the unlock feedback, see Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

Locking

- Press button .

  All doors lock.

  The hazard lamps flash once.

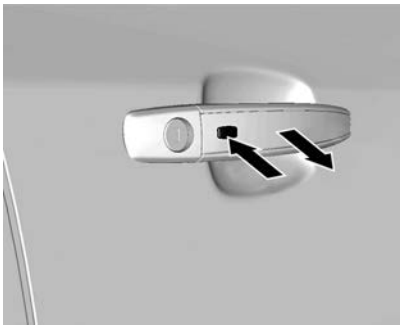
To change the lock feedback, see Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

Electronic key system operation

The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

Unlocking



Press the button on either front or rear door handle. The doors and tailgate are unlocked.

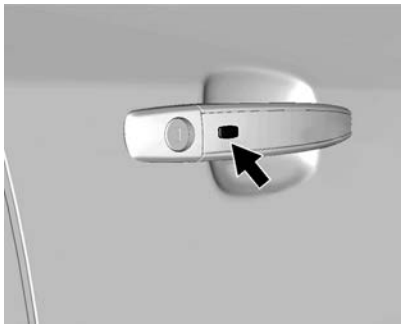
The unlocking mode can be set in the Settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

The setting can be saved for the electronic key being used.

Memorised settings ⇨ 20

Locking



Press the button on either front door handle. The doors and tailgate are locked.

The system only locks if:

- It has been more than 5 seconds since unlocking, or
- The unlock button has been pressed twice within 5 seconds, or
- Any door has been opened and then all doors are closed.

If the driver's door is not closed properly or the electronic key remains in the vehicle, locking will not be permitted and a warning tone sounds three times.

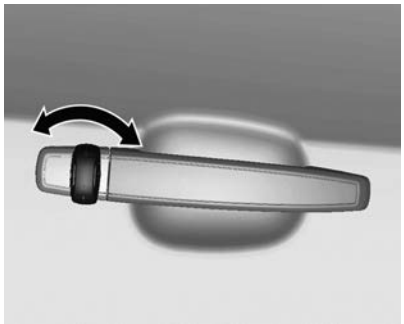
If there have been two or more electronic keys in the vehicle and the ignition was on once, the doors will be locked even if just one electronic key is taken out of the vehicle.

Unlocking and opening the tailgate

The tailgate and the doors can be unlocked by pressing the button under the tailgate moulding when electronic key is in range.

Fault in remote control system

Unlocking



1. Insert the key into the driver's door by turning the key towards the front of the vehicle.
2. Switch on the ignition and press the central locking button on the instrument panel to unlock all doors and the tailgate.

Locking

1. Push the central locking button on the instrument panel.
2. Close the driver's door and lock from the outside with the key. Insert the key and turn towards the rear of the vehicle.

Fault in central locking system unlocking

Manually unlock the driver's door by turning the key in the lock. The other doors can be opened individually by lifting the locking knob on each window sill.

The tailgate cannot be opened.

Automatic door locks

The doors may be locked, at any time from within the vehicle by pressing on the central locking button.

Automatic transmission

Moving the shift lever from **P** to any other position locks the doors, tailgate/boot and fuel filler door automatically.

To unlock, press on the central locking button or move the shift lever to position **P**.

Settings can be changed in the Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ *76*

Manual transmission

When vehicle speed is above 13 km/h, the doors, tailgate and fuel filler door are automatically locked.

Settings can be changed in the Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ *76*

⚠Warning

Do not unlock the vehicle while driving.

Doors

Manual door locks

1. Insert the key in the driver's door.
2. Turn the key towards the rear of the vehicle to lock the doors.
3. Turn the key towards the front of the vehicle to unlock the driver's door.

Note
Tap the key slot or heat the key if the door does not open in cold weather.

Child security rear door locks

⚠Warning

Use the child security door locks whenever children are occupying the rear seats.

Caution

Do not pull the inside door handle while the child security door is locked. Damage may occur.

The child security rear door locks prevent the rear doors from being opened from the inside.

Rotate the switch using a key or suitable screwdriver.

To activate:

- Rotate the switch to the horizontal position.

To open a door when the child security rear door lock is activated:

- Open the door from the outside.

Tailgate

⚠Warning

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects. Dangerous exhaust fumes may enter the vehicle.

To avoid injury and/or damage to the vehicle, check each time, before the tailgate is closed, that the contact area is unobstructed.

Caution

Before opening the tailgate, check the area above and behind for obstructions, to avoid damage to the tailgate.

Note
Adding heavy accessories to the tailgate may affect its ability to remain open.

Unlocking:

1. Press .
2. Push the touchpad on the tailgate.

Locking:

1. Push down so it latches securely.
2. Press .

Vehicle security

Auto door lock

When unlocking the doors with the remote key, all doors will lock automatically after approximately 3 minutes if:

- The doors remain closed.
- The ignition key is not in the ACC or ON positions.

Settings can be changed in the Vehicle settings menu in the infotainment system.

Vehicle personalisation ⇨ 76

Auto door unlock

In the event of an accident, the doors will automatically unlock if the ignition is on.

Note
The doors may not unlock if damage occurs to the door lock system or battery.

Immobiliser

The immobiliser prevents unauthorised engine starting.

- If an invalid key is inserted into the ignition switch/lock, an indicator on the instrument cluster will flash.

  The vehicle will not start.
- The engine is automatically immobilised after the key is turned to LOCK and has been removed from the ignition switch/lock.
- Only valid ignition keys can be used to start the engine.

Have the vehicle checked by a Holden Dealer.

Exterior mirrors

Convex mirror

The convex exterior mirrors provide a wider view of the road and traffic.

Note
Objects appear smaller than their actual size.

Power mirrors

L: Left side mirror selected

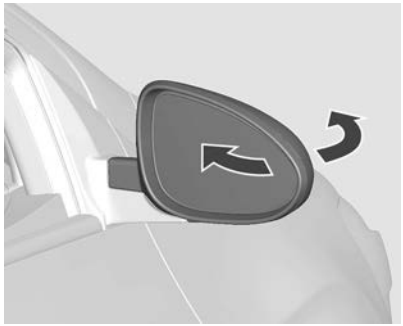
R: Right side mirror selected

O: No mirrors selected

To adjust an exterior rear view mirror:

1. Rotate the switch to **L** or **R**.
2. Swivel the switch to adjust the mirror.

Folding mirrors



When the vehicle is parked, the mirrors may be folded flat against the side of the vehicle.

⚠Warning

Always extend mirrors outwards for driving to increase visibility.

Do not drive while either exterior mirror is folded against the vehicle.

Interior mirrors

Rear view mirror

To reduce headlamp glare from following vehicles, pull the lever towards the rear of the vehicle.

Note

The rear view clarity is reduced when the mirror is set to the anti-glare position.

Return the lever back to its original position as soon as the glare has ceased.

Windows

Power windows

⚠Warning

Before operating the power windows, check they are free of obstructions and that passengers and pets are not in the proximity of the moving window.

The power windows can be operated when the ignition is turned on.

⚠Danger

Do not leave keys or children unattended in the vehicle.

Children may operate the switches and become trapped in the windows.

Serious injury or death may occur from misuse of power windows.

Operation

Operate the switch for the respective window by pushing to open or pulling to close.

Front doors

The front door windows have an auto up/down function.

- Pushing or pulling the switch gently to the first detent:
  The window moves up or down as long as the switch is operated.
- Pushing or pulling firmly to the second detent then releasing:
  The window moves up or down automatically with the safety anti-pinch function enabled.
  To stop movement, operate the switch once more in the same direction.

Rear doors

The rear door windows have an auto down function.

- Pushing the switch gently to the first detent or pulling:
  The window moves up or down as long as the switch is operated.
- Pushing firmly to the second detent then releasing:
  The window moves down automatically. To stop movement, operate the switch once more in the same direction.

Anti-pinch function

If a front door window encounters any resistance during closing, it will stop immediately and partially open again.

Child safety switch

Press to activate/deactivate the rear door power window switches.

Heated rear window

- Press .

The heated rear window:

- Operate when the engine is running.
- Switches off automatically after a few minutes or by pressing again.

Caution
Do not use sharp objects or abrasive window cleaners on the rear window. Do not scratch or damage the wires.

Sun visors

- The sun visors can be folded down or folded outwards over the side window, to prevent glare.
- Close the mirror cover before driving.

⚠Warning

Do not place the sun visor in such a position that it reduces visibility of the roadway, traffic or other objects.

Roof

Sunroof

The vehicle may have a sunroof.

⚠Warning

Always observe the following precautions.

Do not place fingers or objects near the sunroof when operating.

Do not place heavy objects on or around the sunroof.

Remove debris from the outside of the sunroof.

When leaving the vehicle unattended, close the sunroof fully.

As at all other times, all occupants must wear their seat belts whether the sunroof is open or closed.

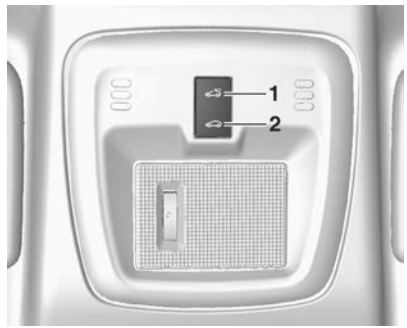
Failure to observe these precautions may result in personal injury or damage to your vehicle.

Fitting an aftermarket sunroof may void the New Vehicle Voluntary Warranty on your vehicle and could result in injury to the vehicle occupants in the event of an accident.

The sunroof:

- Will operate with the ignition in the ON position.
- Can be raised or can slide back into the roof.

The sunroof switch is located between the sun visors.



Open or close

To open the sunroof:

- Press (1).
- To stop movement, press any of the switches again.
- To open to a specific position, press and hold (1).

  Release the switch when the required position has been reached.

To close the sunroof:

- Press and hold (2).

Tilt or close

To tilt the sunroof:

- Press and hold (2).

  Release the switch when the required position has been reached.

To close the sunroof:

- Press and hold (1).

Sunblind

- The sunblind opens automatically with the sunroof or can be manually operated.
- Close or open the sunblind by sliding.

Seats, restraints

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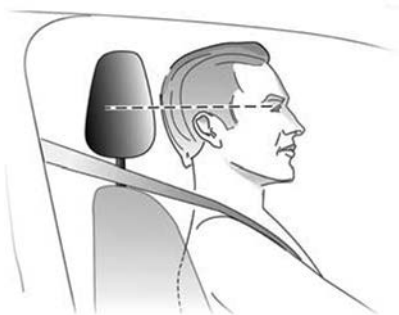
Head restraints

⚠Warning

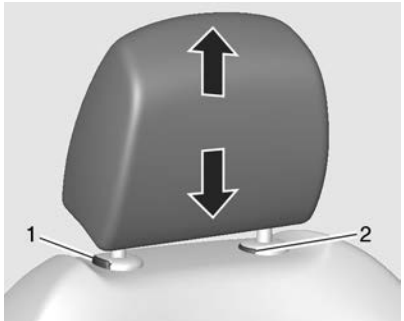
This safety feature is not intended to rest the head upon. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.

The centre of the head restraint should be at eye level, never at neck level.



Height adjustment

Front head restraints

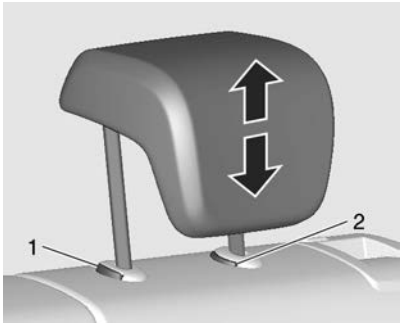


- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

Rear head restraints



- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

Front seats

Seat position

⚠Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

- Sit centrally in the seat.
- Use the backrest and cushion for support.

- Adjust the seat so that your legs are slightly angled when against the pedals.
- Adjust the backrest angle to easily reach the steering wheel with arms slightly bent. *Steering wheel adjustment* ⇨ *55*.
- Maintain contact between shoulders and the backrest when turning the steering wheel.
- Adjust the head restraint. *Height adjustment* ⇨ *34*
- Slide the passenger seat as far back as possible.

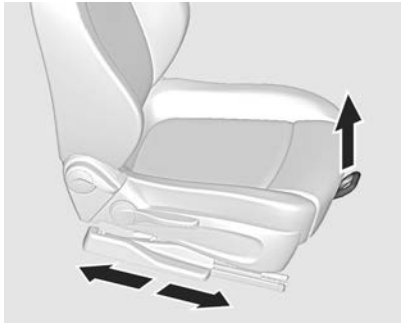
Seat adjustment

⚠Danger

Do not sit nearer than 25 cm from the steering wheel, to allow safe airbag deployment.

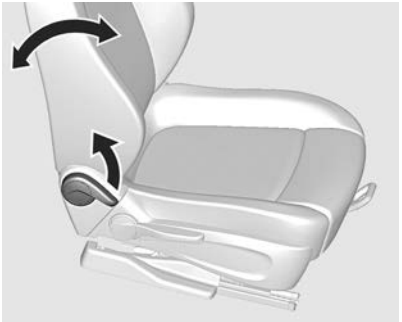
⚠Warning

Do not adjust the driver's seat when the vehicle is moving as the seat could move suddenly causing the driver to lose control.



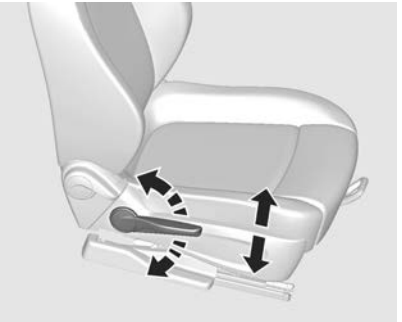
1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.

   Try to move the seat back and forth to ensure the seat is locked in place.



1. Recline the seatback by pulling the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note
Do not lean on the seat when adjusting.



- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Armrest

The vehicle may have an armrest on the driver's seat. It can be raised or lowered.

Heated front seats

The vehicle may have heated front seats.

To warm the seat:

1. Start the engine.
2. Press or .
   The light in the button illuminates.

To turn the heater off:

1. Press or again.

Note
Prolonged use of the heated seats for people with sensitive skin is not recommended.

Rear seats

Folding rear seatbacks

⚠Danger

Ensure the rear seatbacks are securely in place.

Do not press the release button on the top of the seatback while the vehicle is moving. This could cause damage or injuries to the occupants.

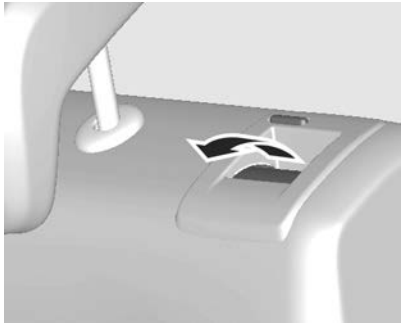
Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Unrestrained luggage or passengers on a folded seatback could be thrown within or ejected from the vehicle in a sudden stop or accident.

Caution

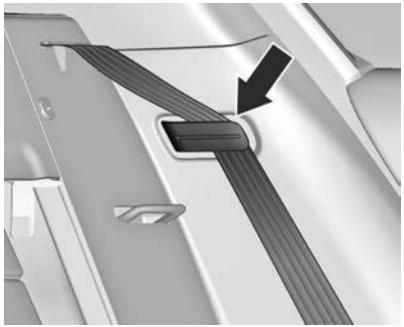
Do not trap the seat belt when returning the seatback to the upright position.

To fold the rear seatbacks down:

1. Unbuckle the seat belts.
2. Push the head restraints down by pressing the locking button.
3. Slide the front seat forwards.
4. Adjust the front seatback to an upright position.



5. Pull the release lever on top of the rear seatback and fold it forwards and down.



6. Place the seat belts into the belt guides.

To return the seatback to the upright position:

1. Pull the seat belt away from the belt guides.
2. Lift the seatback upwards and push firmly back into place.

Note

- Ensure the seat belts are clear of the latch.
- The centre rear seat belt may lock when raising the seatback. Let the belt retract then extend it.

Seat belts

⚠Warning

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The belts lock during heavy acceleration or deceleration for the safety of the occupants.

Belt force limiters

In the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt tensioners

In the event of a front, side or rear collision of a certain severity, the driver's and/or passengers safety belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts or belt buckles) can trigger the belt tensioners with risk of injury.

- When the belt tensioners have been deployed, illuminates on the instrument cluster.
  Seat belt reminders ⇨ 64
- Triggered belt tensioners must be replaced.
- Belt tensioners are only triggered once.

⚠Warning

Do not attach or install objects that may interfere with the operation of the belt tensioners.

Do not make any modifications to belt tensioner components.

Three point belt

Fitting

The belt should not be twisted. It should lie flat and fit firmly across your hips.

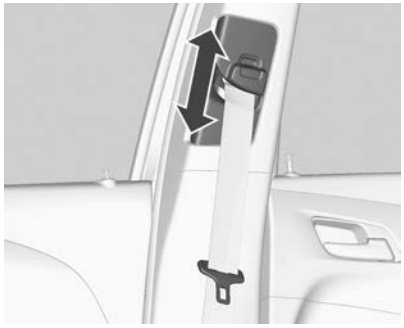
1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Height adjustment



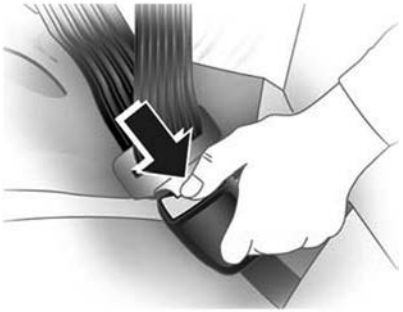
1. Press and hold the button.
2. Move up and down as required.
3. Release the button.
4. Ensure that the anchor clicks into position.

⚠Warning

Do not adjust the belt while driving.

The belt must lie across the shoulder. It must not lie across the throat or upper arm.

Removing



1. Press the red button on the buckle.
2. Allow the belt to retract.
3. Check that if fully retracts without twisting or turning.

Note
The three point belt for the rear central seat can only be withdrawn from the retractor if the backrest is in the upright position.

Seat belt use during pregnancy

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Seat belts work for everyone, including pregnant women. Like all occupants, they are more likely to be seriously injured if they do not wear a seat belt.

A pregnant woman should wear a three point belt with the lap portion of the belt worn as low as possible below the rounding of their stomach, throughout the pregnancy.

Seat belt care

⚠Warning

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Replacing seat belts after a crash

⚠Warning

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Airbag system

When triggered, airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Danger

Do not make any modifications to the airbag system.

The driver should sit back as far as possible while still maintaining control of the vehicle. Sitting too close to the airbag, can cause death or serious injury when it inflates.

Always wear a seat belt.

⚠Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats.

Child restraints ⇨ 46

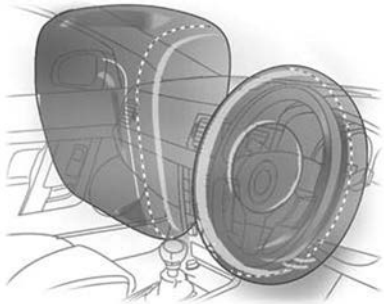
⚠Warning

Airbags are part of the supplemental restraint system (SRS) as they assist, but do not replace seat belts. Airbags do not deploy in every accident. Various factors dictate whether they deploy including speed, angle of collision and object hit. Airbags are not designed to inflate if the vehicle is hit from the rear or is involved in a rollover. Seat belts must be worn by all passengers whenever the vehicle is moving.

Airbags inflate with great force. If you are too close to an inflating airbag it may cause injury.
Seat belts help keep you in position for airbag inflation in the event of a collision.

Airbag and belt tensioners light ⇨ 65

Front airbag system



The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the passenger side. These are identified by the word **AIRBAG**.

⚠Warning

The horn pad must not be covered with adhesive or any other material.

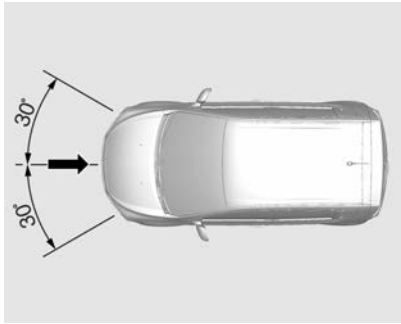
The driver should adjust the seat as far rearward as possible while still maintaining control of the vehicle.

⚠Warning

Do not place any objects on or over the instrument panel or between an airbag and yourself.

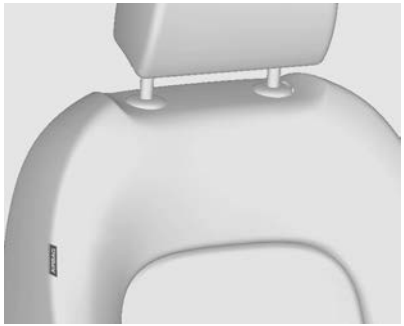
Do not hang anything from the sun visor or mirror.

Passengers must not rest their feet on the instrument panel.



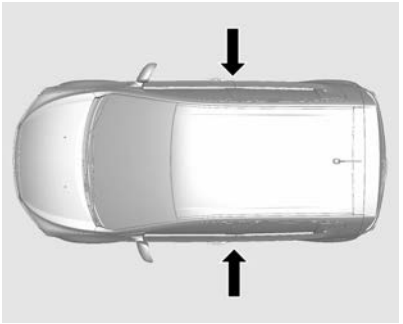
Front airbags will inflate in certain severe frontal or near frontal impacts. Front airbags are not designed to inflate if the vehicle is struck from the side, rear or in rollovers. Always wear a seat belt.

Side airbag system

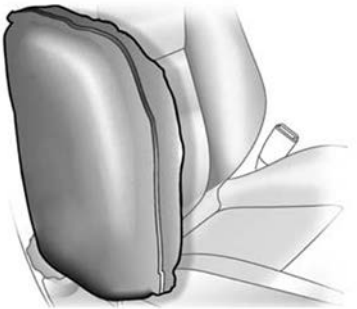


Side airbags are stored in the outer side of the front seats.

They can be identified by the word **AIRBAG**.



The side airbags deploy in most, but not all severe side impacts.



The risk of injury to the upper body and pelvis in the event of a side impact is considerably reduced.

⚠Warning

Do not fit unauthorised seat covers as they may impair the deployment of the side airbags.

Do not position your body or any object (including pillows) between front seats and doors.

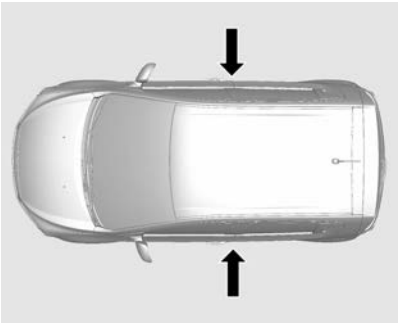
Do not lean on, or sleep against, the door. Always sit centrally in the seat.

Always wear a seat belt.

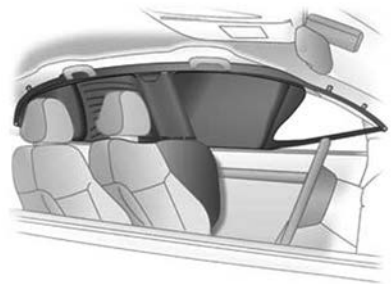
Curtain airbag system

Curtain airbags are stored in the roof on each side of the vehicle.

They can be identified by the word **AIRBAG** on the roof pillars.



The curtain airbags deploy in most, but not all severe side impacts.



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠Warning

Do not position your body or any object (including pillows) in the area in which the airbag inflates.

There must be no objects in the area in which the airbag inflates. Refer to the illustration.

Use the hooks above the doors only to hang up light articles of clothing.

Do not place any objects in the pockets of the hanging items.

Do not hold onto the assist grips (above the doors) while seated in the vehicle.

Do not lean on, or sleep against the front or rear doors. Always sit centrally in the seat.

Always wear a seat belt.

Replacing airbag system parts after a crash

Note

After an accident where airbags have deployed, the systems, associated parts and hardware must be checked and replaced as required.

Seats, associated parts and hardware must also be checked and replaced as required.

The airbag system should also be inspected after an accident if:

- The instrument panel area or steering wheel is scratched, cracked or damaged.
- The front seats and upholstery are damaged.
- The headliner or trim panels are damaged.

It is recommended that this work be carried out by a Holden Dealer or approved repairer.

Child restraints

⚠Warning

WARNING – EXTREME HAZARD!
Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!
The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.
Remember, it is safest for children to be seated in the rear seats.
Never carry a child while travelling in the vehicle.

⚠Warning

This manual provides you with general information concerning child restraints only.

The driver is required by law to ensure that passengers and pets are suitably restrained. In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints.

Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint is suitable for your child.

⚠Warning

Always ensure the seat belt fits firmly around the child restraint.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

Selecting the right system

Infants

Rearward facing infant capsules are designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

Young children

Forward facing child seats are for use when the child is able to sit and easily hold their head upright.

Booster seats

Booster seats are for when children outgrow a typical forward facing child seat, but are still too small for three point seat belts.

Older children

A child should use a normal three point seat belt only when:

- They can sit against the back of the rear seat with knees bent comfortably at the edge of the seat.
- The lap belt rests low and snug across the hips, not across the stomach.
- The sash belt is centred on the shoulder and chest.
- They are able to stay seated like this for the entire trip.

Where to put the restraint

⚠Warning

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Only child restraints that have clips to attach to the vehicle's anchorage fittings are to be used. Other types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. Only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passengers seat as far back as it will go. The forward facing child restraint must still be attached to the passenger side child restraint anchorage point, located behind the rear seat.

Remember, it is safest for children to be seated in the rear seat.

Note
If unsure about installing a child restraint, contact an approved restraint fitting station or a Holden Dealer.

ISOFIX child restraint systems

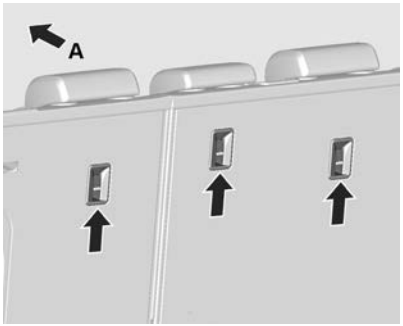
Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.

Note
Ensure seat belt buckles are placed out of the way of the child seat.

ISOFIX mounting brackets are indicated by a label on the seatback. In addition to the ISOFIX mounting, fasten the top-tether straps to the top-tether anchorage points.

Top-tether child restraint systems ⇨ *49*

Top-tether child restraint systems



A. Front of vehicle

The child restraint tether anchors are located at the rear of the load compartment, in line with the three rear seating positions.

Note
Use the child restraint anchors for their designed purpose only.

Child restraint installation

The vehicle has been designed to accommodate child restraints on the rear seat.

When using a child restraint, read the installation instructions supplied with the child restraint and follow the directions for fitment carefully.

The child restraint system should be secured in conjunction with the vehicle's seat belt.

Secure the child in the restraint in accordance with the manufacturer's instructions.

If unsure about installing a child restraint anchor fitting, contact an approved restraint fitting station or a Holden Dealer.

Storage

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Instrument panel storage 50
Glove box 51
Cup holders 51
Sunglasses storage 52
Under seat storage 52
Card holder 52
Loading information 53

Storage compartments

Instrument panel storage

A storage compartment is located in front of the shift lever.

The storage compartment above the glove box includes a USB port and an AUX input.

- To open, lift the lid upwards. To close, push the lid firmly back into place.

USB port ⇨ 97

Glove box

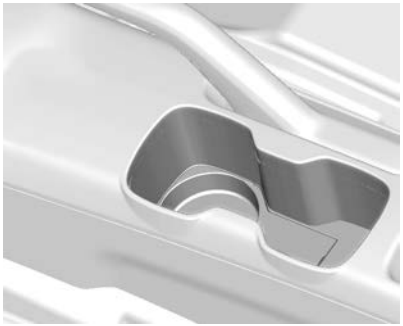
The glove box is located in the instrument panel, in front of the passenger's seat.

- To open, pull the handle towards you. To close, push the lid firmly back into place.

⚠Warning

To reduce the risk of injury, always keep the glove box door closed when driving.

Cup holders



Cup holders are located in the front console and rear of the centre console.

⚠Warning

To avoid scalding, never place hot drinks in the cup holders.

Do not place uncovered containers of liquid in the cup holder while the vehicle is in motion.

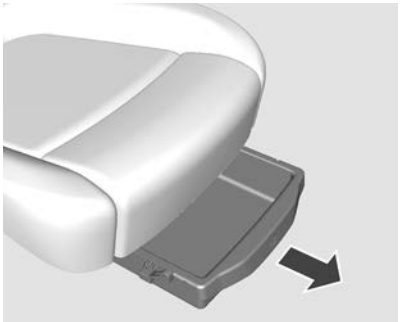
Sunglasses storage

The vehicle may have a sunglasses holder located in the roof on the driver side.

- To open, fold downwards.

Note
Do not use for storing heavy objects.

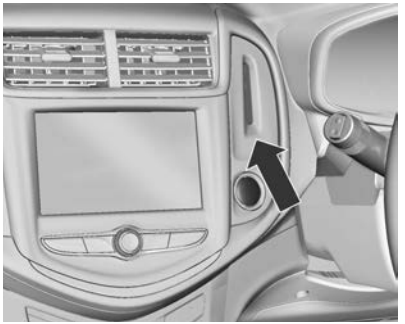
Under seat storage



The vehicle may have under seat storage beneath the passenger's seat.

- To open, pull up on the front of the tray and pull towards the front of the vehicle.
- To close, push the tray towards the rear of the vehicle.

Card holder



The vehicle may have a card holder.

Loading information

⚠Danger

Do not stack objects higher than the front seats.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Serious injuries or death can result.

Folding rear seatbacks ⇨ 37

- Place all heavy objects in the load compartment as far forward as possible.
- Secure objects to prevent from sliding.

  Movement of heavy objects in the load compartment may change the handling of the vehicle.
- Ensure the backrests are securely engaged.
- Ensure that all cargo is lower than the rear seat backrests.
- Place heavier objects at the bottom.
- Do not place any objects on the load compartment cover or the instrument panel.
- Do not place unsecured objects in the interior.
- Do not drive with an open tailgate.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity.

  Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Instruments and controls

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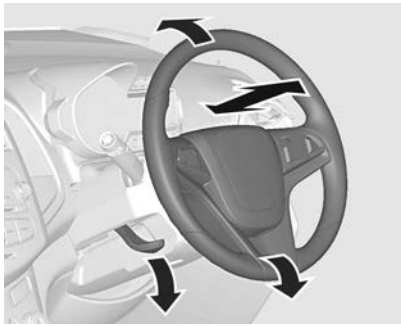
Controls

Steering wheel adjustment

⚠Warning

Do not attempt to adjust the steering wheel while driving.



1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering wheel remote controls

The infotainment system and the cruise control may be operated by the controls on the steering wheel.

Steering wheel remote control ⇨ *89*

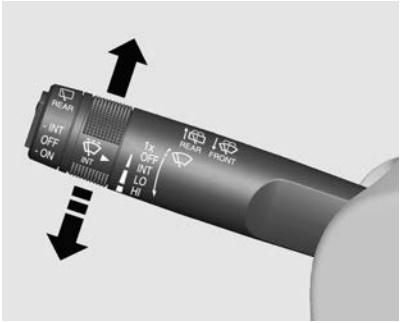
Cruise control ⇨ *144*

Horn

Press .

Windscreen wiper/washer

Windscreen wiper



To operate the windscreen wipers, turn the ignition on and move the windscreen wiper/washer lever to one of the following positions:

Caution
Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

1x: Misting function

OFF: Off

INT: Intermittent operation

LO: Continuous wipe, slow speed

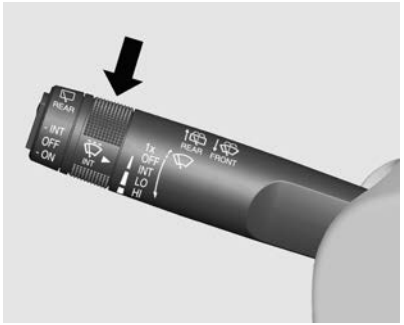
HI: Continuous wipe, fast speed

Misting function

To operate the windscreen wipers once during light rain or mist:

- Lightly lift the windscreen wiper/ washer lever up and release.
- The lever returns to its usual position when released.
- The wipers cycle once.

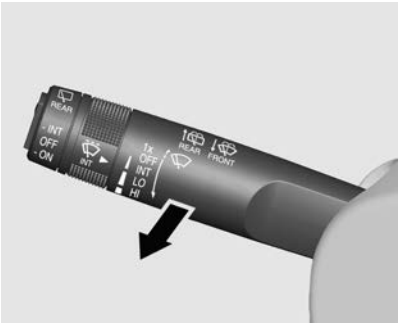
Adjustable wiper interval



During intermittent operation, adjust the frequency of the wiper intervals:

- For frequent intervals, rotate the wheel downwards.
- For longer intervals, rotate the wheel upwards.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Caution

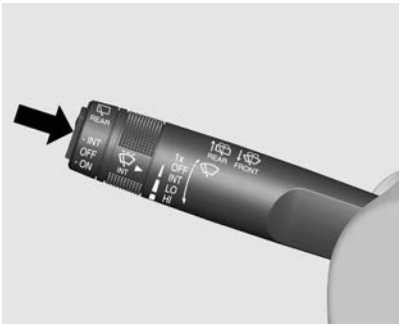
Do not operate the windscreen washer for more than a few seconds or when the washer fluid reservoir is empty.

⚠Warning

Do not spray washer fluid on the windscreen in freezing weather.

Rear window wiper/ washer

Wiper



To operate the rear window wiper, push the switch at the end of the lever.

- **INT**: Intermittent wipes, push in at the top of the button.

OFF: To turn the wipers off, place the switch in the neutral position.

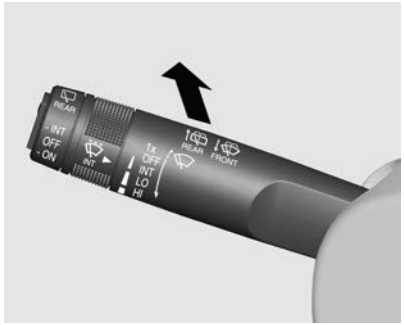
- **ON**: Continuous wipes, push in at the bottom of the button.

Caution

Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

Do not operate the windscreen washer for more than a few seconds, or when the washer fluid reservoir is empty.

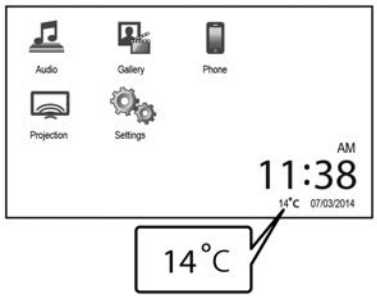
Washer



Push the lever forwards.

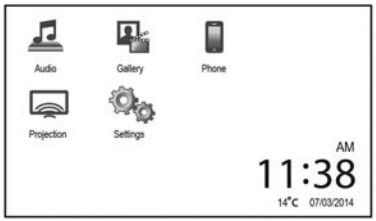
Washer fluid is sprayed onto the rear window and the wiper cycles for a few strokes.

Outside temperature



The outside temperature is shown on the infotainment display when the ignition is on.

Clock



Time and date are shown on the infotainment display.

Adjust the settings for the time in the Settings menu.

Settings ⇨ *118*

Power outlet

A 12V power outlet is located in the centre console.

⚠Warning

It is dangerous for the driver of a vehicle to attach or remove accessories from the power socket while driving. It may distract the driver's attention, putting the occupants of the vehicle and other road users at risk.

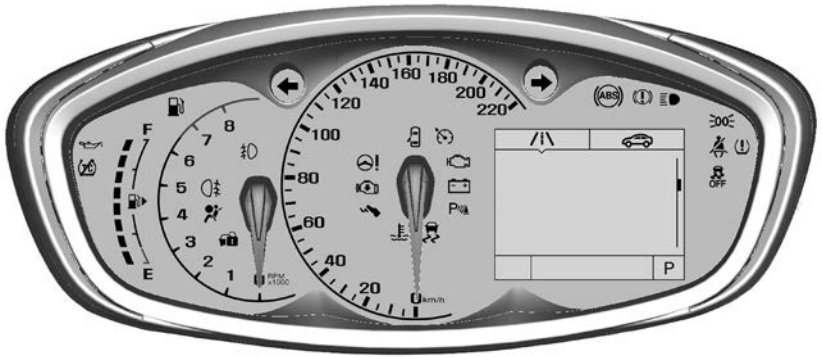
The power outlet is activated when the ignition is turned to ACC or ON. When the ignition is turned off, the power outlet is deactivated when any door is opened or after 10 minutes.

- The power outlet does not operate if the battery voltage is low.
- Do not exceed the maximum power consumption of 120 watts.
- Do not connect electrical charging devices or batteries.

Warning lights, gauges and indicators

Type 1

Type 2



Overview

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- Bonnet ajar light ⇨ *68*
- Door ajar light ⇨ *68*
- Operate pedal light ⇨ *69*
- Service vehicle soon light (Illuminates in the DIC) ⇨ *69*

Speedometer

Shows vehicle speed in kilometres per hour (km/h).

Odometer

Shows distance travelled in kilometres.

Tachometer

Shows engine speed in thousands of revolutions per minute (RPM).

Drive at a low engine speed/range for each gear as much as possible.

⚠Warning

Do not allow the needle to remain in the warning/red zone.

Fuel gauge

Shows the level of fuel in the tank (**E** = empty, **F** = full).

Movement of the fuel within the fuel tank may cause the fuel gauge indicator to move when braking, accelerating or turning.

⚠Danger

Before refuelling, stop the vehicle and switch the engine off.

Service display

Control indicators

The vehicle may have the following indicators.

Indicators illuminate for a short time when the ignition is turned on to show that the light is working.

Red: danger, important reminder

Yellow: warning, information, fault

Green, **blue**, **white**: confirmation of activation

Note

Depending on vehicle variant, the instrument cluster appearance may differ.

Transmission display

Vehicles with automatic transmission. Indicates the selected gear or transmission mode.

Turn signal

- Push the lever in the same direction the steering wheel is turned.
- ⇦⇨ flashes.

  ⇦⇨ also flashes when the hazard warning is activated.
- The turn signal will self cancel from larger turns.
- If ⇦⇨ flashes quickly, a bulb may need replacing.
  Bulb replacement ⇨ *166*
- If the turn signals do not operate check the fuses.
  Fuses ⇨ *170*

Turn and lane change signals ⇨ *82*

Seat belt reminders

Illuminates in the instrument cluster:

- : Driver's seat belt reminder

Illuminates on the centre panel:

- : Front passenger's seat belt reminder (if occupied).

When the ignition is turned to the ON position:

- or illuminates until the seat belt is fastened.

When the engine is running:

- or flashes for 100 seconds then illuminates until the seat belt is fastened.

If the vehicle reaches a specific distance or speed and the seat belt is unfastened, or will flash and the chime will sound for 100 seconds, or until the seat belt is fastened.

Three point belt ⇨ 40

Airbag and belt tensioners light

The light illuminates for a short time when the ignition is turned on to show the light is working.

If the light does not illuminate, does not extinguish after few seconds or illuminates while driving, there is a problem with the airbag or belt tensioner system.

⚠Warning

Have any fault in the airbag or belt tensioner system repaired immediately by a Holden Dealer.

Airbag system ⇨ 42
Belt tensioners ⇨ 39

Charging system light

The light illuminates for a short time when the ignition is turned on to show the light is working.

If the light illuminates while the engine is running, there is a problem with the charging system:

1. Stop and switch off the engine.
2. Contact a Holden Dealer.

Malfunction indicator lamp

The light illuminates for a short time when the ignition is turned on to show the light is working.

If the light illuminates while driving, there is a problem with the emission monitoring system. Contact a Holden Dealer.

Brake warning light

The warning light illuminates for a short time when the ignition is turned on to show the light is working.

The warning light illuminates when the park brake is applied.

Park brake ⇨ 142

⚠Warning

Do not drive while the brake warning light is on.

If the warning light does not extinguish or illuminates while driving and the park brake is released, there is a problem with the brakes:

- Stop the vehicle as soon as it is safe to do so.
- Check the brake fluid level. *Brake fluid ⇨ 164*
- Do not proceed until satisfied braking is possible or the problem has been repaired.
- If necessary, contact a Holden Dealer.

Antilock Brake System (ABS) warning light

The (ABS) warning light illuminates for a short time when the ignition is turned on to show the light is working.

If the (ABS) warning light illuminates, there is a problem in the ABS.

Note
The vehicle's brake system remains operational but without ABS assistance.
Antilock Brake System (ABS) ⇨ *141*

Contact a Holden Dealer.

Up-shift light

SHIFT illuminates to indicate when to shift to the next higher gear for best fuel economy.

Manual transmission ⇨ *140*

Power steering warning light

The vehicle may have electric power steering.

The **!** warning light illuminates for a short time when the ignition is turned on to show the light is working.

If the **!** warning light does not extinguish after a few seconds, or if it illuminates while driving, there is a fault in the power steering.

Contact a Holden Dealer.

Park assist warning light

The vehicle may have park assist.

If **P** illuminates for a short time when the ignition is turned on to show the light is working.

If the light does not extinguish or if **P** illuminates when reverse gear is selected:

- The sensors may be dirty
- The sensors may be covered by ice or snow
- There may be ultrasonic wave interference

If the light does not extinguish, contact a Holden Dealer.

Park Assist (PA) ⇨ *146*

Electronic Stability Control (ESC) light

The light illuminates for a short time when the ignition is turned on to show the light is working.

If the light flashes while driving, the ESC is actively helping the vehicle with road grip and stability.

If the light illuminates or does not extinguish while driving, contact a Holden Dealer immediately.

Electronic Stability Control (ESC) off light

The light illuminates for a short time when the ignition is turned on to show the light is working.

illuminates when the ESC is deactivated.

Electronic Stability Control (ESC) ⇨ *143*

Traction Control System (TCS) off light

The light illuminates for a short time when the ignition is turned on to show the light is working.

illuminates when the TC is deactivated.

Traction Control System (TCS) ⇨ *142*

Engine temperature warning light

The warning light illuminates for a short time when the ignition is turned on to show the light is working.

If the light illuminates while driving, the engine coolant temperature is excessively hot:

- Stop the vehicle as soon as it is safe to do so.
- Let the engine idle for a few minutes.
- If the light remains on, contact a Holden Dealer.

⚠Warning

Do not continue driving with the temperature gauge needle in the red area. The engine is too hot.

Continued operation of an overheated engine will result in severe engine damage.

Engine oil pressure light

The light illuminates for a short time when the ignition is turned on to show the light is working.

If the warning light illuminates while the engine is running, the engine oil pressure or level is low:

- Stop the vehicle as soon as it is safe to do so.
- Turn the ignition off and remove the key.
- Check the engine oil level. *Engine oil* ⇨ *159*
- If necessary, contact a Holden Dealer.

Caution
Engine damage may result if you keep driving. Do not run the engine. If the oil level is normal, have the system checked by the nearest Holden Dealer.

Low fuel warning light

The ⛽ warning light illuminates and a chime sounds when the fuel level is low:

Caution
To avoid damage to the catalytic converter, fill the fuel tank above the low fuel level.

Catalytic converter ⇨ 134

Immobiliser light

The 🔒 light illuminates when there is a fault in the immobiliser system.

The engine cannot be started.

Contact a Holden Dealer.

Reduced engine power light

The 🔧 light illuminates for a short time when the ignition is turned on to show the light is working.

If 🔧 illuminates along with the malfunction indicator lamp ⚙ while driving, a noticeable reduction in performance occurs.

The vehicle can be driven at a reduced speed but acceleration may be reduced. If the lights remain on contact a Holden Dealer immediately.

High beam light

The ≣● indicator light illuminates when headlamp high beam is on.

Headlamp high/low beam ⇨ 81

Front fog lamp light

The vehicle may have front fog lamps.

≢◊ illuminates when the front fog lamps are on.

Front fog lamps ⇨ 82

Tail lamp light

The ⫸⫷ indicator light illuminates when the tail lamps are on.

Exterior lamp control ⇨ 80

Cruise control light

The ⏲ indicator light illuminates white on the system is on and green when cruise control is activated.

Cruise control ⇨ 144

Bonnet ajar light

The 🚗 warning light illuminates when the bonnet is not completely closed.

Door ajar light

The 🚪 warning light illuminates when any of the doors or the tailgate is not completely closed.

Operate pedal light

illuminates or flashes yellow.

Operate the clutch pedal (manual) or brake pedal (auto) to start the engine.

Service vehicle soon light

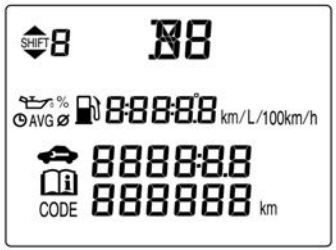
The light illuminates in the Driver Information Centre (DIC) when the vehicle requires a service.

Have the vehicle checked by a Holden Dealer immediately.

Vehicle messages ⇨ *71*

Information displays

Driver Information Centre (DIC)



The Driver Information Centre (DIC) is located in the instrument cluster.

The DIC may display functions such as the trip computer, information, warning messages and settings, etc.

Settings Menu

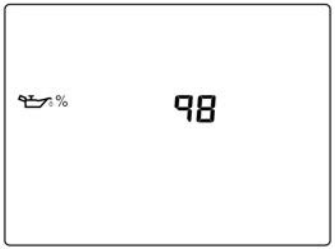
To select the settings menu, press MENU on the turn signal lever.

The following option may be available for selection

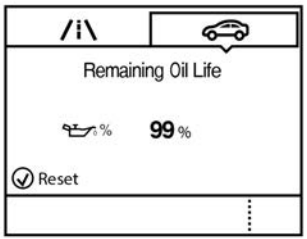
- Engine oil life

Engine oil life system

Type 1



Type 2



Displays an estimate of the oil's remaining useful life. This may only be displayed while the vehicle is stationary.

If the number 98 is displayed, it means 98% of the current oil life remains.

When the remaining oil life is low, the vehicle message Code 82 or Change (oil change) will be displayed.

The engine oil should be changed as soon as possible.

After an engine oil change, the engine oil life system will be reset by your Holden Dealer.

How to Reset the Engine Oil Life System

Reset the system whenever the engine oil is changed so the system can calculate the next engine oil change.

1. Turn the ignition On with the engine not running.
2. Press the MENU button on the turn signal lever, to select the Engine oil life display in the Driver Information Centre (DIC).
3. Press the SET/CLR button to reset the oil life to 100%.
4. Turn the ignition Off.

Take care not to reset the display accidentally at any time other than after the oil is changed.

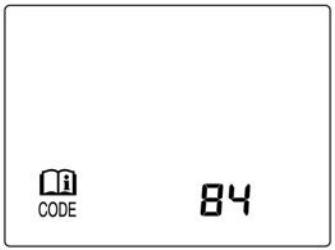
If the vehicle message Code 82 (Change engine oil soon) comes back on when the vehicle is started, the engine oil life system has not reset. Repeat the procedure.

Vehicle messages

Messages are indicated mainly in the Driver Information Centre (DIC), in some cases together with a warning and signal buzzer.

Press SET/CLR, MENU or turn the adjuster wheel to confirm a message.

Warning codes



Some vehicle messages are displayed with code numbers.

Caution
Whenever a coded vehicle message is displayed, contact a Holden Dealer.

Note
Not all of the following messages will be applicable to your vehicle.

No.	Vehicle message
2	No remote detected, Press clutch to restart
3	Coolant level low add coolant
4	A/C off due to high engine temp
5	Steering column is locked
6	Step on brake to release park brake
7	Turn steering wheel, Turn key Off, Then On
8	Turn key Off, Then On – repeat breath test
9	Turn steering wheel, Start vehicle again
11	Brakes worn
12	Vehicle overloaded
13	Compressor overheated
15	Check high mounted brake lamp
16	Check brake lamps
17	Headlamp levelling malfunction
18	Left low beam failure
19	Check rear fog lamp

20 Check right low beam lamp
21 Check left position lamp
22 Check right position lamp
23 Reversing light failure
24 License plate light failure
25 Check left front turn signal lamp
26 Left rear turn indicator failure
27 Check right front turn signal lamp
28 Check right rear turn signal lamp
35 Replace Battery In Remote Key
36 Stabilitrak (ESC) Initializing
50 Reset hood – see owners manual
52 Change timing belt
53 Tighten gas cap / Electric vehicles
56 Pressure imbalance – front
57 Pressure imbalance – rear
58 Winter tire detected
59 Open, then close driver window
60 Open, then close passenger window
61 Open, then close left rear window
62 Open, then close right rear window
63 Open, then close midgate window
64 Open, then close endgate window (placeholder only)
65 Theft attempted
66 Service theft alarm
67 Service steering column lock
68 Service power steering, Drive with care
70 Service levelling system
75 Service AC system
78 Service pedestrian protection
79 Engine oil low – add oil
81 Service transmission
82 Change engine oil soon
84 Engine power is reduced
88 Use Transmitter Pocket to Start
89 Service vehicle soon
91 No remote detected
92 No remote detected, Press brake to restart
93 Press button again to turn engine Off / Electric vehicles
94 Shift to park
95 Service airbag
99 Pedestrian protection system disabled
120 Reduce speed for hill descent control
136 Service Parking Assist
145 Washer fluid low – add fluid
151 Press clutch to start
174 Low battery
258 Park assist Off

Warning chimes

One warning chime will sound at a time.

The warning chime regarding unfastened seat belts has priority over any other warning chime.

Chimes will sound under the following conditions.

When starting the engine or whilst driving

- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting-off.
- If a certain speed is exceeded with parking brake applied.
- If a programmed speed is exceeded.
- If a warning message or a warning code appears in the Driver Information Centre
- If the parking assist detects an object.
- If reverse gear is engaged and the rear end carrier is extended.
- If a fault in the automatic locking system is detected.

When the vehicle is parked and / or the driver's door is opened

- When the key is in the ignition switch.
- With exterior lights on.

Battery voltage low

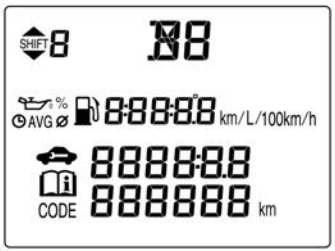
When the vehicle battery voltage is low, a warning message or warning code 174 will appear in the Driver Information Centre.

1. Switch off any electrical consumers immediately which are not required for a safe ride, e.g. seat heating, heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a period of time or by using a charging device.

The warning message or warning code will go off after the engine has been started twice consecutively without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault rectified by a Holden dealer.

Trip computer



The vehicle has a trip computer located in the instrument cluster.

The display shows:

Type 1

- Trip Odometer
- Average Fuel Consumption
- Instantaneous Fuel Consumption
- Average Vehicle Speed

Type 2

- Speed
- Trip 1
- Trip 2
- Fuel Range
- Instantaneous Fuel Consumption
- Average Fuel Consumption
- Average Vehicle Speed

To select the trip computer menu, press **MENU**.

Rotate the adjuster wheel ⇳ to select the trip computer mode.

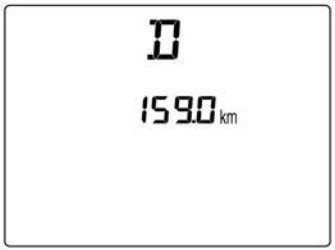
Each time the adjuster wheel ⇳ is rotated, the mode changes

Some modes can be reset by pressing and holding **SET/CLR**.

Note

The Type 1 display is shown in the following illustrations; Type 2 is similar.

Trip odometer



The trip odometer displays the recorded distance since last reset.

- To reset, press SET/CLR for a few seconds.

Type 2: Select Trip 1 or Trip 2. Each odometer can be reset individually.

Fuel range

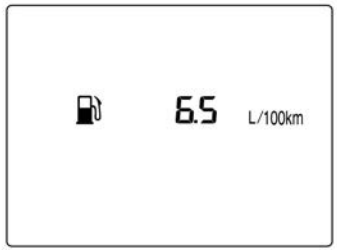
Estimates driving distance to an empty fuel tank from the current fuel level.

The driving distance for remaining fuel may differ depending on:

- Driving conditions
- Driving pattern
- Vehicle speed

Note
Ensure the vehicle is refuelled while on level ground.

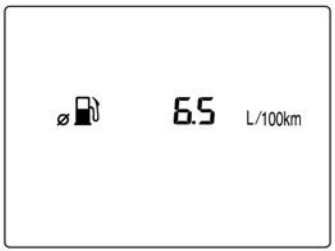
Instantaneous fuel consumption



Instantaneous fuel consumption is displayed while the vehicle is being driven.

This mode indicates the current fuel consumption and can change frequently depending on driving conditions.

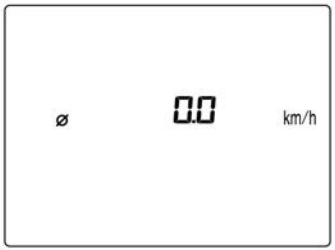
Average fuel consumption



Average fuel consumption is calculated from the time the ignition is turned on.

- To reset, press and hold SET/ CLR.

Average vehicle speed



Average vehicle speed is calculated from the last time the computer was reset.

- To reset, press and hold SET/ CLR.

Vehicle personalisation

Settings can be personalised using the infotainment system controls.

Note
Depending on the vehicle variant, some of the following functions may not be available.

Settings

Settings can be made with the ignition on and the vehicle not moving.

The following are all possible Vehicle personalisation features and may differ to your vehicle.

⌂ (Home) : Press to access the Home screen.

▲▼ Touch to scroll through the menus or setup items.

⮌ Touch to exit, or return to the previous screen or menu.

Some items can be set to On or Off, while others have several choices.

The On setting is displayed as:

The Off setting is displayed as:

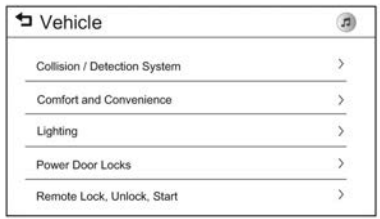
Note

The following describes the functions that may be available under the Vehicle menu. For the other items in the Settings menu see; *Settings* ⇨ *118*

Vehicle

To access the menu on the infotainment system:

1. Touch ⌂.
2. Touch Settings.
3. Touch Vehicle.



4. Select the desired item.

Collision / Detection System

Select and the following may display:

- Park Assist

Park Assist:

This allows this park assist to be turned on or off.

- Select On or Off

Comfort and Convenience

Select and the following may display:

- Chime Volume
- Auto Wipe in Reverse Gear

Chime Volume:

Allows selection of the chime volume level.

- Select 24 to 38

Auto Wipe in Reverse Gear:

Allows this feature to be turned on or off. When on, and the front wipers are on, the rear window wiper will turn on automatically when the vehicle is shifted into R (Reverse).

- Select On or Off

Lighting

Select and the following may display:

- Vehicle Locator Lights
- Exit Lighting

Vehicle Locator Lights:

This allows selection of the entry lighting function. When on, the exterior lights illuminate for a short period when is pressed.

- Select On or Off

Exit Lighting:

This allows selection of how long the exterior lamps stay on when leaving the vehicle and it is dark outside.

- Select Off, 30, 60 or 120 Seconds

Power Door Locks

Select and the following may display:

- Auto Door Lock

Auto Door Lock:

This allows selection for the doors to automatically lock when the transmission lever is shifted out of park.

- Select On or Off

Remote Lock, Unlock, Start

Select and the following may display:

- Remote Unlock Light Feedback
- Remote Lock Feedback
- Remote Door Unlock
- Relock Remotely Unlocked Doors
- Passive Door Unlock
- Passive Door Lock
- Remote Left in Vehicle Alert

Remote Unlock Light Feedback:

When on, the exterior lamps will flash when unlocking the vehicle with the remote control.

- Select Flash Lights or Off

Remote Lock Feedback:

This allows selection of what type of feedback is given when pressing on the remote control.

- Select Lights Only, Lights & Horn, Horn Only, or Off

Remote Door Unlock:

This allows selection of which doors will unlock when pressing on the remote control.

When set to Driver Door, the driver's door will unlock the first time or the front door exterior handle button (vehicles with electronic key system) is pressed. All doors will unlock when the button is pressed a second time.

When set to All Doors, all of the doors will unlock at the first press of or the front door exterior handle button (vehicles with electronic key system).

- Select All Doors or Driver Door

Relock Remotely Unlocked Doors:

Activate or deactivate the automatic relock function after unlocking without opening the vehicle.

- Select On or Off

Passive Door Unlock:

This allows the selection of what doors will unlock when using the button on the driver's door to unlock the vehicle.

- Select All Doors or Driver Door

Passive Door Lock:

Activates or deactivates the passive locking function. This feature locks the vehicle automatically after several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

Select On, On with Horn Chirp or Off.

Remote Left in Vehicle Alert:

This feature sounds an alert when the remote control is left in the vehicle.

- Select On or Off

Lighting

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Exterior lamp control 80
Automatic light control 80
Headlamp high/low beam 81
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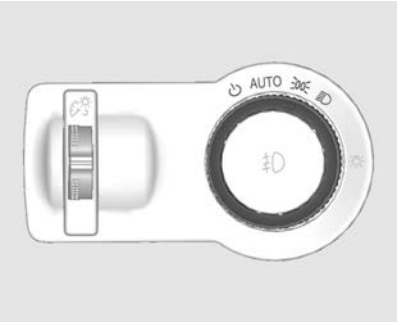
Exterior lighting

Exterior lamp control



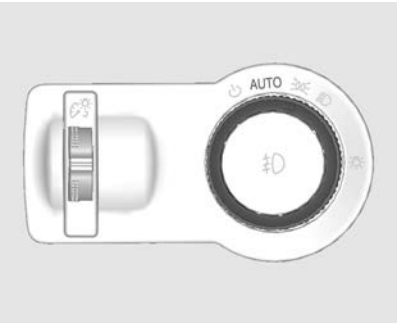
⏻ (OFF): Rotate to turn all lamps and lights off.

AUTO: Exterior lamps and instrument panel lights turn on or off automatically, depending on the ambient light.

(Park lamps): Daytime running lamps (DRL), number plate lamps and instrument panel lights illuminate.

D (Headlamps): Turns on the headlamps and all park lamps.

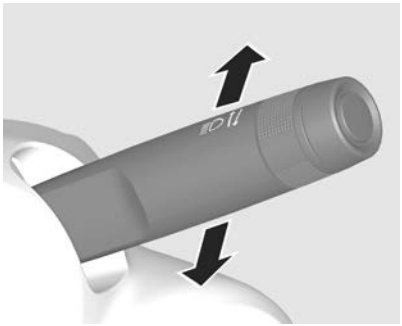
Automatic light control



When the lamp control is in the AUTO position, the exterior lamps and instrument panel lights automatically switch on according to ambient light.

- To turn automatic lighting off, rotate to ⏻.

Headlamp high/low beam



To activate high beam:

1. Turn the headlamps on.
2. Push the lever forwards.

   The high beam indicator lamp ≣D illuminates on the instrument cluster.

To return to low beam:

1. Pull the lever rearwards.

⚠Warning

Always switch the headlamps to low beam when vehicles are approaching or when following another vehicle.

To flash the high beam lamps:

1. Pull the lever towards the rear of the vehicle and release.

   The lamps stay on for as long as the lever is held.

Daytime running lamps (DRL)

DRL increase the visibility of the vehicle during daylight. The DRL LEDs can operate in two different intensities:

- Normal intensity for park lamps
- High intensity for DRL function

The DRL operate in high intensity when the ignition is on or the engine is running during daylight.

If the light control switch is turned to ⫸⫷, ≣D, or the exterior lighting is on while in AUTO position, the DRL operate in normal intensity.

Hazard warning flashers

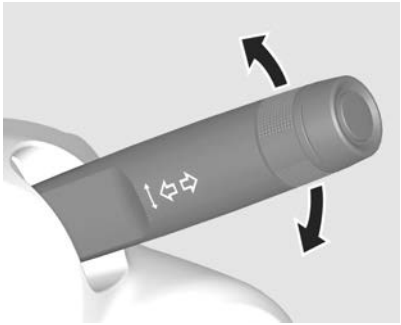
Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

All turn signals flash continuously.

Use the hazard warning flasher if the vehicle becomes a traffic hazard, day or night.

Note
Using hazard warning flashers while the vehicle is moving, is illegal in some States and Countries.

Turn and lane change signals



1. Push the lever in the direction the steering wheel is turned.

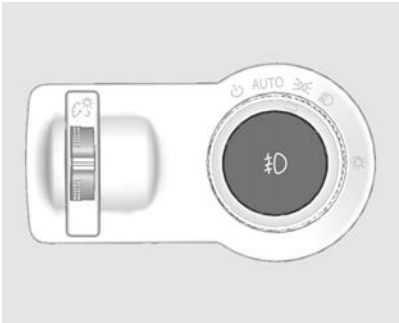
   A green arrow on the instrument cluster flashes when the lamps are in operation.

For three flashes, e.g. when changing lanes:

1. Push the lever until the point of resistance, then release.

Front fog lamps

The vehicle may have front fog lamps.



To turn the front fog lamps on:

- Press ⫰D.

  ⫰D illuminates on the instrument cluster.

To turn the front fog lamps off:

- Press ⫰D again.

Reversing lamps

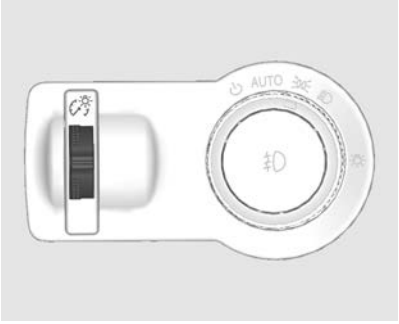
The reversing lamps illuminate when the ignition is on and reverse gear is engaged.

Misted lamp covers

Caution
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Interior lighting

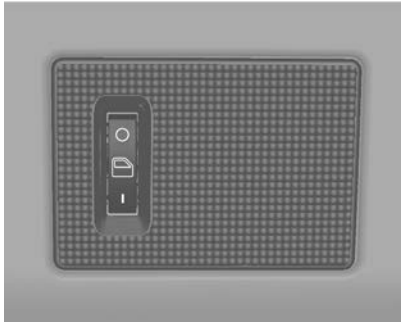
Instrument panel illumination



To adjust the instrument panel lighting, rotate ☼ until the desired level is reached.

Interior lamps

Courtesy lamp



Press the rocker switch:

O (Off): Remains off when doors are opened or closed.

: Automatically switches on when a door is opened and turns off after doors are closed.

l (On): Remains on when doors are opened or closed.

Note
To prevent the battery from discharging, turn the lamp off when the engine is not running.

⚠Warning

Do not leave the courtesy lamp on while driving in the dark.

Lighting features

Vehicle locator lights

To facilitate retrieving the vehicle when it is dark, lamps such as the headlamps and tail lamps illuminate for a short period when is pressed.

Set the headlamps to Auto mode.

This setting can be changed in the Vehicle settings.

Vehicle personalisation ⇨ 76

Exit lighting

Set the headlamps, side lamps and tail lamps to illuminate the way, after leaving the vehicle.

Activation, deactivation and duration of lighting can be changed in the Vehicle settings.

Vehicle personalisation ⇨ 76

Set the headlamps to Auto mode.

1. Switch the ignition off.
2. Remove the ignition key.

If activated, the lighting remains on for the set duration.

Infotainment system

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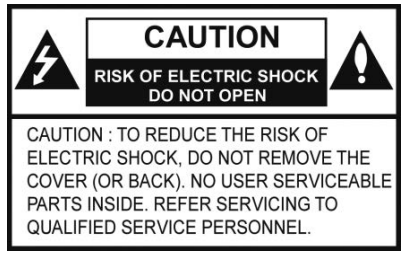
Introduction

Safety information


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the system's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the system.

- Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions.

  Pull over in a safe and legal manner before attempting such operations. To promote safety, certain functions are disabled unless the parking brake is on.
- To reduce the risk of electric shock, do not remove the cover or back of this system. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- To reduce the risk of fire or electric shock, do not expose this system to water, rain, or moisture and do not place another electric device on LCD touch display.
- When driving, keep the volume of the unit low enough to allow you to hear sounds from outside the vehicle, such as emergency services, etc.
- Do not drop it and avoid heavy impacts at anytime.

⚠Warning

The infotainment system must be used so the vehicle can be driven safely at all times. Stop the vehicle in a safe location and operate the infotainment system while the vehicle is stationary.

For your safety, some features are disabled while the vehicle is in motion.

General information

The infotainment system provides infotainment in your car, using the latest technology.

See your Holden dealer to have the system or software updated and upgraded.

The radio can be easily used by registering up to 25 FM or AM stations with the Preset function.

The infotainment system can play USB storage device or iPod/iPhone devices.

Using the phone projection function, you can operate specific applications on your smartphone via the infotainment system.

The Bluetooth phone connection function allows for the use of wireless hands-free phone calls, as well as a phone music player.

Connect a portable music player to the auxiliary sound input to enjoy the rich sound of the infotainment system.

- The 'Overview' section provides a simple overview of the infotainment system's functions and summary of all regulatory devices.
- The 'Operation' section explains the basic controls for the infotainment system.
- Design and specifications are subject to change without notice.
- Some of the radio features may be limited when ignition is off.

'Made for iPod' and 'Made for iPhone' refers to an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note the use of this accessory with iPod, iPhone may affect wireless performance.

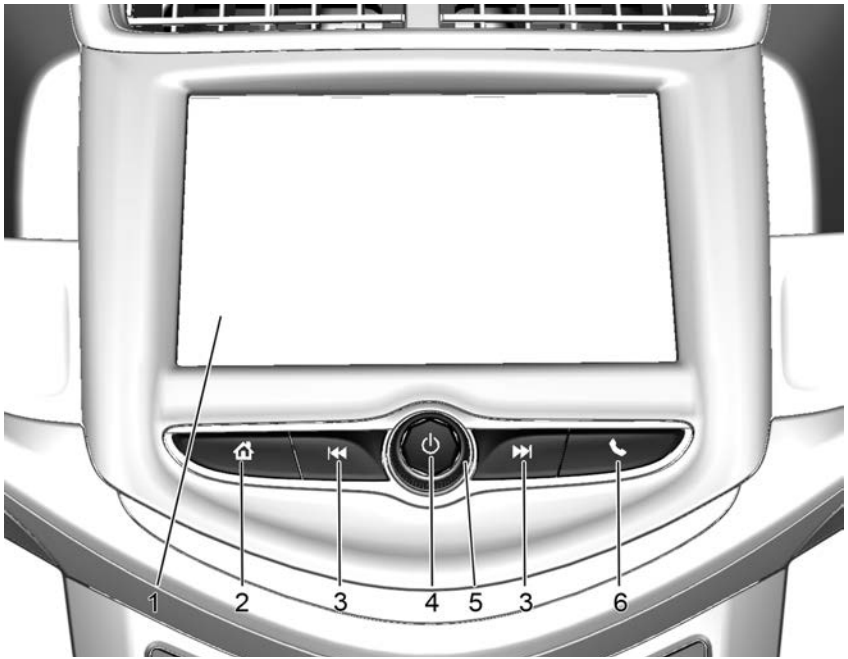
Theft-deterrent feature

The infotainment system has an electronic security system to prevent theft.

Therefore, the infotainment system will only function in the vehicle in which it was first installed, and cannot be used in another vehicle.

Overview

Control panel

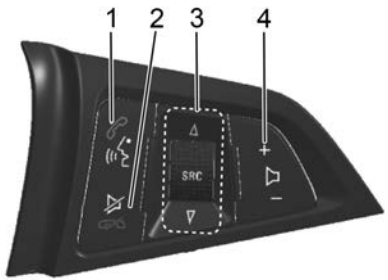


1. Display:
   Display for Play / Reception / Menu state and information.
2. Home:
   Press ⌂ to enter the home menu.
3. Seek:
   Press ⏮/ ⏭ to seek the station or media contents.
4. Power:
   Press and hold ⏻ to turn the power on/off.

   Press ⏻ to turn the mute function on/off.
5. Volume knob:
   Rotate the volume knob to adjust the volume.
6. Phone:
   Press ✆ to access the Phone screen.

   (If there is no connected phone, the display will show the Device Management Menu to allow you to connect a previously paired phone or establish a new Bluetooth enabled phone connection.)

Steering wheel remote control



1. Call:
   - **When there is no connected Bluetooth device on the infotainment system:**

     Executes the Bluetooth device connection.
   - **When there is a connected Bluetooth device on the infotainment system:**

     Press ✆ to answer the call or enter the redial selection mode.

     If the connected phone supports Speech Recognition, press and hold ✆ to activate the phone's SR (speech recognition) mode.
2. Mute / hang up:
   Press 🔇 in any music play mode to turn the mute function on and off.

   Press 🔇 to reject incoming calls or to finish your current call or phone's SR mode.
3. SRC
   Press **SRC** to change the source, e.g. AM, FM, USB, etc.

   SEEK (▲ / ▼)
   - **Press:**
     - FM/AM mode: receives the previous or next preset station.
     - USB mode : plays the previous or next file.
     - iPod/iPhone mode: plays the previous or next song.
     - Bluetooth music mode: plays the previous or next music.
   - **Press and hold:**
     - FM/AM mode: sequentially searches the stations saved in PRESET.
     - Bluetooth, USB, iPod/ iPhone mode: quickly scans forward or backward while the button is pressed. Once released, returns to normal playback.
4. Volume

   Press **+** to increase the volume.

   Press **–** to decrease the volume.

Operation

System on / off

- Press ⏻ on the control panel to turn the power on. The last audio or movie will be executed.
- Press and hold ⏻ on the control panel to turn the power off. The time and temperature will be shown on the screen.

Note
The time and temperature are displayed when the ignition is on.

Turning on / off automatically

When the ignition switch is in the ACC or ON position, the infotainment system is turned on automatically.

When the ignition switch is in the OFF position and the driver's door is opened, the infotainment system is turned off automatically.

Note
If ⏻ is pressed and held when the ignition is off, the infotainment system is turned on for approximately 10 minutes.

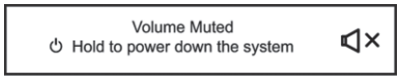
Volume control

Rotate the volume knob on the control panel to adjust the volume. The current sound volume is indicated.

- Using the steering wheel remote control, press + ▷ - to adjust the volume.
- Turning on the infotainment system will set the volume level to its previous selection (when it is less than the maximum starting volume).
- If the volume level is louder than maximum starting volume level when the infotainment system is turned on, the infotainment system is adjusted automatically to maximum starting volume level.

Mute

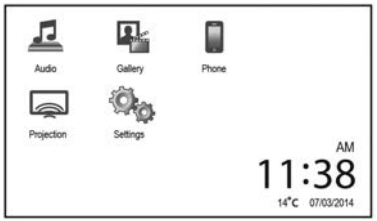
Press ⏻ on the control panel to turn the mute function on and off.



Using Home menu

1. Press ⌂ on the control panel.

The Home menu may vary depending on the vehicle option.



2. Touch the desired menu icon.

- Touch **Audio** to select AM/ FM/ USB/ Bluetooth music play or auxiliary sound (AUX) input.
- Touch **Gallery** to view pictures or movies.
  Refer to 'Before using Picture system' or 'Before using Movie system' for a list of supported file formats, ⇨ *108*.
- Touch **Phone** to activate phone features (if connected).
- Touch **Projection** to activate Android Auto™ or Apple CarPlay™. If a smartphone is already connected to the USB port, Projection will be replaced with **Android Auto** or **Apple CarPlay** icons.
- Touch **Settings** to enter the system settings menu.

Managing home menu icons

1. Touch and hold any of the Home menu icons to enter edit mode.
2. Continue holding the icon and drag it to the desired position.
3. Release your finger to drop the icon in the desired position.
4. To move an application to another page, drag the icon to the edge of the screen toward the desired page.
5. Continue dragging and dropping application icons as desired.
6. Press ⌂ to exit edit mode.

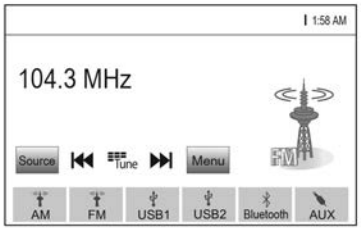
Note

- The edit mode exits after 30 seconds of inactivity.
- The maximum number of pages in edit mode is three.

Selecting functions

Audio

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.



- Touch **AM** to select AM radio.
- Touch **FM** to select FM radio.
- Touch **USB1/USB2** to select USB1/USB2 music.

  If an iPod is connected to a USB port, USB1 or 2 changes to **iPod**.
- Touch **Bluetooth** to select Bluetooth music.
- Touch **AUX** to select auxiliary sound (AUX) input.

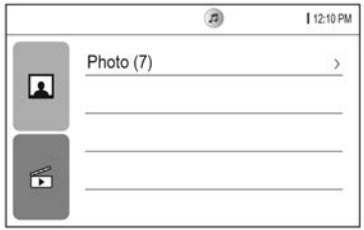
Note

- Press ⌂ to return to the Home menu.
- If the playback source (iPod/ USB1/ USB2/ AUX/ Bluetooth) is not connected to the infotainment system, this function is not available.
- Audio source availability may vary depending on the region and vehicle model.

Audio ⇨ 94

Gallery

1. Press ⌂ on the control panel.
2. Touch **Gallery** on the home menu.



Touch 🖼 to view picture files on the USB storage device.

Touch 🎬 to view movie files on the USB storage device.

Note

- Press ⌂ to return to the Home menu.
- If the playback source (USB (picture / movie)) is not connected to the infotainment system, this function is not available.

Gallery ⇨ 108

Phone

To operate Bluetooth hands-free function, connect a Bluetooth phone to the infotainment system.

1. Press ⌂ on the control panel.
2. Touch **Phone** on the home menu. Alternately, press ✆ on the control panel or steering wheel control switch (if available).

Note

- Press ⌂ to return to the Home menu.
- If the phone is not connected to the infotainment system, this function is not available.

Phone ⇨ 111

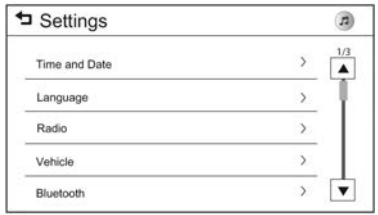
Projection

The phone projection applications Android Auto and Apple CarPlay display selected apps from your smartphone on the infotainment screen and allow their operation directly via the infotainment controls.

Smartphone applications ⇨ 117.

Settings

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.



Note

- The On setting is displayed as:
- The Off setting is displayed as:
- Press ⌂ to return to the Home menu.

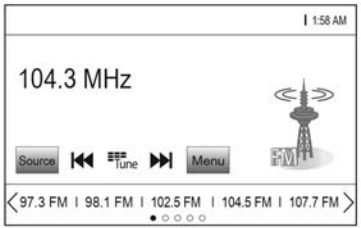
Settings ⇨ 118

Audio

AM-FM radio

Listening to FM/AM radio

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.
4. Touch **FM** or **AM** on the screen. The FM or AM radio band of the most recent listened station is displayed.



Note

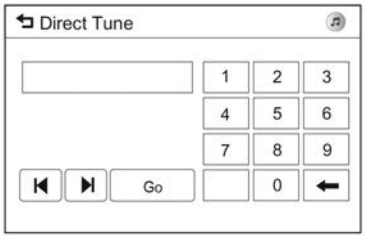
- Press ⌂ to return to the Home menu.

Searching for broadcasting automatically

Press ⏮ / ⏭ on the control panel to automatically search for available stations with good reception.

Searching for broadcasting directly

1. Touch Tune on the screen.
2. Touch the desired frequency.
3. Touch **Go**.



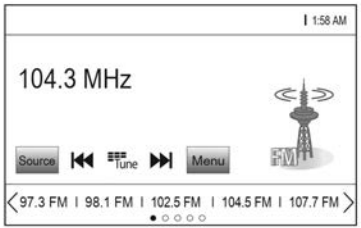
Note

Touching '.' between digits is not necessary. The radio will add it automatically at the correct location.

Searching for broadcasting by using the preset

Saving preset

1. Select the band (FM or AM) to store a station into.
2. Select the desired station.
3. Touch < / > to select the desired page of saved favourites.



4. Touch and hold down any Preset to save the current radio station to that button of the selected favourites page.
   - Up to 5 favourites pages can be saved, and each page can store up to five radio stations.

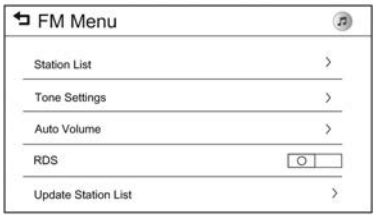
Listening to preset directly

1. Repeatedly touch < / > to select the desired page of saved favourites.
2. Touch the desired Preset to directly listen to the radio station saved to that button.

Using the FM/AM radio menu

General operation of the menu

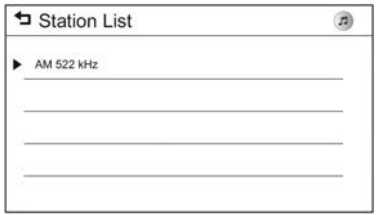
1. Select the desired band (FM or AM).
2. Touch **Menu** on the FM/AM radio screen.



3. Touch the desired menu to select the relevant item or to display the item's detailed menu.
4. Touch ⮌ to return to the previous menu.

Station list

1. From the FM/AM menu, touch **Station List** to display the FM/AM station list.
   The station list information is displayed.

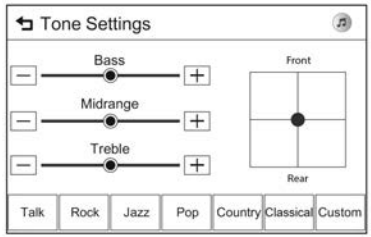


2. Scroll through the list using ▲ / ▼. Tune to the desired station by selecting it.

Tone settings

From Tone Settings menu, sound features can be set.

1. From the FM/AM menu, touch **Tone settings** to enter the sound setup mode. The tone settings menu is displayed.



- Touch -/+ to select the desired sound style manually.
- Bass: Adjust the bass level from -12 to +12.
- Mid (Midrange): Adjust the mid-range level from -12 to +12.
- Treble: Adjust the treble level from -12 to +12.

- Fade: Adjust the front/rear speaker balance by dragging the round cursor up or down the vehicle interior image.
- Balance: Adjust the left/right speaker balance by dragging the round cursor left or right the vehicle interior image.
- EQ (Equaliser): Select or turn off the sound style. (Talk, Rock, Jazz, Pop, Country, Classical, Custom)

2. Touch ⮌.

Auto volume

When Auto Volume is turned on, the volume will automatically be controlled according to the vehicle speed to offset the noise from the engine and tyres.

1. From the FM/AM menu, touch the **Auto Volume**.
2. Select the desired option. (Off/ Low/ Medium-Low/ Medium/ Medium-High/ High)

RDS (Radio Data System)

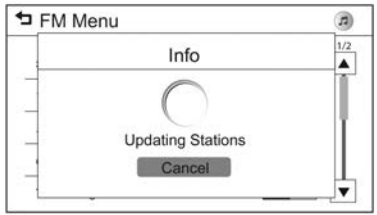
Setting the RDS function in the FM radio.

1. From the FM/AM menu, find RDS.
2. Select on or off.

Note
RDS may not be available in all areas

Update station list

1. From the FM/AM menu, touch the **Update Station List** to display the update FM/AM station list. The FM/AM broadcasting list update will proceed.



2. During the FM/AM broadcasting list update, touch **Cancel** to stop it from saving changes.

Antennas

Fixed mast antenna

To remove the roof antenna, rotate it counterclockwise. To install the roof antenna, rotate it clockwise.

Caution
To avoid damage, remove the antenna before entering an automatic car wash or a place with a low ceiling height.

Install the antenna fully tightened and adjusted to the upright position to ensure proper reception.

Multi-Band Antenna

The multi-band antenna on the roof of the vehicle is used for the AM-FM radio. Keep the antenna clear of obstructions for clear reception.

USB port

The infotainment system can play the music files contained in a USB storage device, a device that supports Media Transfer Protocol (MTP) or supported iPods/iPhones.

Note
The vehicle's USB port may have two USB outlets.

Before using audio system

Supported audio file formats:

- MP3 (MPEG-1 Layer 3, MPEG-2 Layer 3).

  Constant Bit Rate (CBR) between 8 and 320 kbps.

  Variable Bit Rate (VBR).

  Sampling frequencies of 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 kHz.
- Windows Media Audio Windows Media Audio 10.

  CBR between 32 and 768 kbps.

  VBR (Standard), Professional, Lossless, or higher according to Microsoft specifications.

  Sampling frequencies of 8, 12, 16, 22, 32, 44.1, and 48 kHz.
- AAC (MPEG-4 AAC, Low Complexity Profile) and AAC+.

  CBR between 8 and 320 kbps.
- OGG Vorbis.

- Waveform (WAV – PCM Windows format).
- Audio Interchange File Format (AIFF).
- 3GPP (Generally used for mobile devices).
- Audio Books (MP3, WMA, AAC, AA).

Cautions for using USB storage device and iPod/iPhone

- Operation cannot be guaranteed if a HDD built-in USB mass storage device or a CF or SD memory card is connected by using a USB adaptor. Use a USB or flash memory type storage device.
- Use caution to avoid static electricity discharge when connecting or disconnecting the USB. If connection and disconnection are repeated many times within a short time, a problem may result.
- Operation is not guaranteed if the connecting terminal of the USB device is not metal.
- Connection with i-Stick Type USB storage devices may fail due to vehicle vibration, so their operation cannot be guaranteed.
- Be careful not to touch the USB connecting terminal with an object or any part of your body.
- USB storage devices can only be recognised when it is formatted in FAT16/32, NTFS, HFS+. exFAT and other file systems cannot be recognised.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognise the files may differ. This is not a problem with the system in this case, wait for the files to be processed.
- Files in some USB storage devices may not be recognised due to compatibility problems.
- Do not disconnect the USB storage device while it is being played. This may cause damage to the system or the performance of the USB device.
- An external USB hub may require two USB devices to be used at the same time depending on vehicle variant.

- Disconnect the connected USB storage device when the vehicle ignition is turned off. If the ignition is turned on while the USB storage device is connected, the USB storage device may be damaged or may not operate normally in some cases.
- A USB storage device can only be connected to this system for the purpose of playing music/ movie, viewing photo files, or upgrading.
- The USB terminal should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the device.
- When a USB device contains more than one partition, only the music files from the top-level partition can be played. Store the music files in the top-level.
- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This system can support USB storage devices with a limit of 5000 files (music, photo and video), and 15 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit.

  An iPod/iPhone can play all music files supported. But the music file lists are displayed up to 5000 files on the screen in alphabetical order.
- Some iPod/iPhone models may not support the connectivity or functionality of this system.
- Only connect an iPod/iPhone with connection cables supported by iPod/iPhone devices. Other connection cables may not operate correctly.
- When an iPod/iPhone is not being used, disconnect it from the vehicle with the car ignition turned off.
- We don’t recommend using a USB hub with two iPhone/iPod devices.
- When an iPod/iPhone is connected to the USB port by an iPod/iPhone cable, Bluetooth music is not supported.
- Connect an iPod/iPhone to the USB port by using an iPod/ iPhone cable to play the music files of an iPod/iPhone. When an iPod/iPhone is connected to the AUX input terminal, the music files are played, but not controlled by MyLink.
- iPod/iPhone movie file playback is not supported.

- The playback functions and the information display items of the iPod/iPhone used with this infotainment system may be different from the iPod/iPhone in terms of play order, method, and the information displayed.
- Refer to the following table for the classification items related to the search function provided by an iPod/iPhone.

	Step 1	Step 2
Playlists	Playlists	Songs
Artists	Albums / All song	Songs
Albums	Albums	Songs
Songs	Songs	
Genres	Albums / All song	Songs
Composer	Albums/ All song	Songs
Audiobooks	Songs	
PodCasts	PodCast	Episode

USB player

Playing USB storage device music files

Connect the USB storage device containing the music files to the USB port.

- Once the infotainment system finishes reading the information on the USB storage device, it will be automatically played. (If you set the USB Auto Launch to off in Settings, it will not be automatically played.)
- If a non-readable USB storage device is connected, then an error message will appear and the infotainment system will be automatically switched to the previous audio function.

Note

If the USB storage device is already connected, press ⌂ > **Audio** > **Source** > **USB** to play the USB music files.

Ending the USB music files playback

1. Touch **Source**.
2. Select another function by touching the **AM, FM, AUX** or **Bluetooth**.

Note

Before removing the USB storage device, select another function, and then remove the USB storage device.

Pause

Touch **II** during playback.

Touch ▶ to resume playback.

Playing the next file

Touch ⏭ to play the next file.

Playing the previous file

Touch ⏮ within 5 seconds of playback time to play the previous file.

Returning to the beginning of the current file

Touch ⏮ after 5 seconds of playback time.

Scanning forward or backward

Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

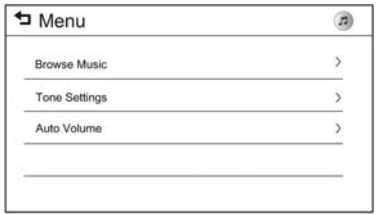
Playing file randomly

Touch ⤮ during playback.

- ⤮ : Plays all files randomly.
- ⤮ : Returns to normal playback.

General operation of the USB music menu

1. Touch **Menu** on the USB music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse music

1. From the USB music menu, touch **Browse Music**.

   The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More.
2. Touch the desired music.

Tone settings

From the USB menu, sound features can be setup.

Tone settings ⇨ 95

Auto volume

From the USB menu, volume will be automatically controlled.

Auto volume ⇨ 96

Media Transfer Protocol (MTP) player

Playing music from a supported MTP device

Connect the supported Media Transfer Protocol (MTP) device containing music files to the USB port.

- Once the infotainment system finishes reading the information on the device that supports MTP, it will be automatically played. (If you set the USB Auto Launch to off in Settings, it will not be automatically played.)
- If a non-readable device that supports MTP is connected, then an error message will appear and the infotainment system will be automatically switched to the previous audio function.

Note

- Depending on the device, some files may not be played.
- File loading may take a few minutes depending on the type of the device or the number of file/ folder stored in the device.
- When you connect the MTP device, the infotainment system scans audio files first, and then scans picture and movie files. While scanning picture or movie files, these files may not be available until loading indicator on the audio screen disappears even if the audio file in MTP device is playing.
- If you connect the MTP device that has external memory, it may be recognised as USB1/USB2.
- Other operation is same as a USB player.
  USB player ⇨ *100*
- To operate the MTP connection the user may be required to change the USB connection setting to MTP on the device.

iPod/iPhone player

Playing iPod/iPhone music files

Connect the iPod/iPhone containing the music files to the USB port.

- Once the infotainment system finishes reading the information on the iPod/iPhone, it will be automatically played from the previously played point.
  If you set the USB Auto Launch to off in Settings, it will not be automatically played.

Note
If the iPod/iPhone is already connected, press ⌂ **> Audio > Source > iPod** to play the iPod/ iPhone.

Ending the iPod/iPhone playback

1. Touch **Source**.
2. Select another function by touching the **AM, FM, AUX** or **Bluetooth**.

Note
Before removing the iPod/iPhone, select another function, and then remove the iPod/iPhone.

Pause
Touch **II** during playback.

Touch ▶ to resume playback.

Playing the next song

Touch ⏭ to play the next song.

Playing the previous song

Touch ⏮ within 2 seconds of playback time to play the previous song.

Returning to the beginning of the current song

Touch ⏮ after 2 seconds of playback time.

Scanning forward or backward

Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

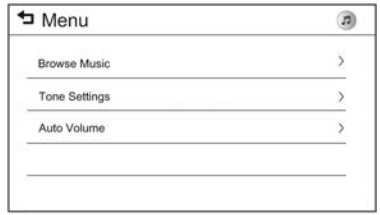
Playing file randomly

Touch ⤮ during playback.

- ⤮ : Plays all files randomly.
- ⤭ : Returns to normal playback.

General operation of the iPod music menu

1. Touch **Menu** on the iPod music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse Music

1. From the iPod music menu, touch **Browse Music**.

   The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More.
2. Touch the desired music.

Tone settings

From the iPod menu, sound features can be setup.

Tone settings ⇨ 105

Auto volume

From the iPod menu, volume will be automatically controlled.

Auto volume ⇨ 96

Auxiliary devices

The infotainment system can play music on an auxiliary device when connected by an auxiliary cable.

Playing music on auxiliary device

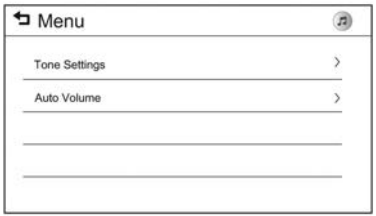
Connect the auxiliary device containing the music source to the AUX input terminal. Once the infotainment system finishes reading the information on the auxiliary device, it will be automatically played.

Note

- If the auxiliary device is already connected, press ⌂ **> Audio > Source > AUX** to play music source of auxiliary device.
- Auxiliary cable type:
  3.5 mm, three-pole auxiliary cable for audio playback.

General operation of the AUX music menu

1. Touch **Menu** on the AUX music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Tone settings

From the AUX menu, sound features can be setup.

Tone settings ⇨ *105*

Auto volume

From the AUX menu, volume will be automatically controlled.

Auto volume ⇨ *96*

Bluetooth music

Music may be played from a paired Bluetooth device that supports Bluetooth audio. For help pairing a device; *Phone* ⇨ *111*

Before playing Bluetooth music

- The supported profile: A2DP, AVRCP.
- Bluetooth music may not be supported depending on the mobile phone or Bluetooth device.
- From the mobile phone or Bluetooth device, find the Bluetooth device type to set/ connect the item as a stereo headset.
- A musical note icon (♪) will appear on the screen if the Bluetooth device is successfully connected.
- The sound played by the Bluetooth device is delivered through the infotainment system.

- Bluetooth music can be played only when a Bluetooth device has been connected.
- If the Bluetooth is disconnected while playing phone music, the music is discontinued. The audio streaming function may not be supported in some Bluetooth phones. Only one function can be used at a time between the Bluetooth hands-free or Phone music function. For example, if you change to the Bluetooth hands-free while playing Phone music, the music is discontinued.
- For Bluetooth music to play, the music must at least be played once from the music player mode of the mobile phone or Bluetooth device after connecting as a stereo headset. After being played at least once, the music player will be automatically played upon entering play mode, and it will be automatically stopped when the music player mode ends.

  If the mobile phone or Bluetooth device is not in the waiting screen mode, some devices may not automatically play in Bluetooth music play mode.

Playing Bluetooth music

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.
4. Touch **Bluetooth** to select the connected Bluetooth music play mode.

Note
If the Bluetooth device is not connected, then this function cannot be selected.

Pause

Touch **II** during playback. Touch ▶ again to resume playback.

Playing the next music

Touch ⏭ to play the next music.

Playing the previous music

Touch ⏮ within 2 seconds of playback time to play the previous music.

Returning to the beginning of the current music

Touch ⏮ after 2 seconds of playback time.

Search

Hold down ⏮ or ⏭ to fast forward or rewind.

Playing music randomly

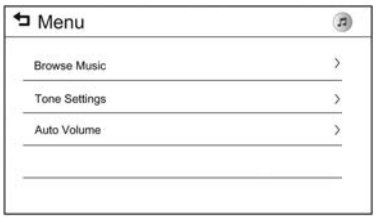
Touch ⤮ during playback.

- ⤮ : Plays all files randomly.
- ⤮ : Returns to normal playback.

Note
Some functions may not be supported depending on the mobile phone.

General operation of the Bluetooth music menu

1. Touch **Menu** on the Bluetooth music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse music

1. From the Bluetooth music menu, touch **Browse Music**. The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More. The items may vary depending on the mobile phone.
2. Touch the desired music.

Note
This function may not be supported depending on the mobile phone.

Tone settings

From the Bluetooth music menu, sound features can be setup.

Tone settings ⇨ 105

Auto volume

From the Bluetooth music menu, volume will be automatically controlled.

Auto volume ⇨ 96

Caution on playing Bluetooth music:

- Do not change the track too quickly when playing Bluetooth music.
- It takes some time to transmit data from the mobile phone to the infotainment system. The infotainment system outputs the audio from the mobile phone or Bluetooth device as it is transmitted.
- If the mobile phone or Bluetooth device is not in the idle screen mode, it may not automatically play even though it is in Bluetooth music play mode.
- The infotainment system transmits the order to play from the mobile phone in the Bluetooth music play mode. If this is done in a different mode, then the device transmits the order to stop.

Depending on the mobile phone's options, this order to play/stop may some take time to activate.

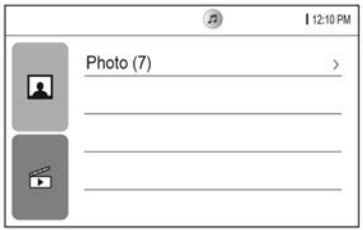
- If Bluetooth music playback is not functioning, then check to see if the mobile phone is in the idle screen mode.
- Sometimes, sounds may be cut off during the Bluetooth music playback.

Gallery

Note
Picture and movie function is not supported for iPhone.

Gallery (pictures)

The infotainment system can view picture files contained in the USB storage device.



Before using picture system

The following picture file formats are supported

- Only the following file extensions are supported: '*.jpg', '*.bmp', '*.png', '*.gif' (Animated GIF is not supported.)
- Some files may not operate due to a different format or the condition of the file.

Viewing a picture

1. Connect the USB storage device containing the picture files to the USB port.

   The picture will be displayed.

2. Touch the screen to hide the control bar. Touch the screen again to show the control bar again, touch ⮌ to return to the previous screen.

Note

- If the USB storage device is already connected, press ⌂ > **Gallery** > 🖼 to view the picture files.
- For your safety, some features are disabled while your vehicle is in motion.

Viewing slide show

From the picture screen, touch .

- The slideshow will be played.
- Touch the screen to cancel the slide show during slide show playback.

Viewing a previous or next picture

From the picture screen, touch < or > to view previous or next picture.

Rotating a picture

From the picture screen, touch to rotate the picture.

Enlarging a picture

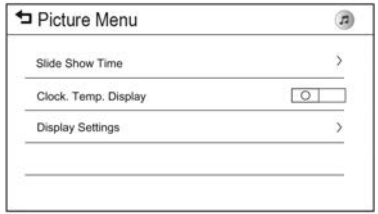
From the picture screen, touch to enlarge the picture.

Viewing to full screen

From the picture screen, touch **Fit** to view to full screen. Touch **Fit** again to return to the previous screen.

Using the USB picture menu

1. From the picture screen, touch **MENU**. The USB picture menu is displayed.



2. Touch the desired menu.
- Slide Show Time: Select the slide show interval.
- Clock Temp Display: To display the clock and temperature on the full screen, select On or Off.
- Display Settings: Adjust the Brightness and Contrast.

3. After the setting is complete, touch ⮌.

Gallery (movies)

The infotainment system can play movie files contained in the USB storage device.

Before using movie system

The following movie file formats are supported

- Available resolution: Up to 1280 x 720 pixels. (1280 x 720 is supported)
- Frame rate: less than 30 fps.
- Playable movie file: '.mp4', '.avi' The playable movie file may not be played according to the codec format.
- Playable Codec format:

  H.264/MPEG-4 AVC.
- Playable Audio format: 'MP3', 'AC3', 'AAC', 'WMA'.
- Max Audio Bitrate:

  - MP3: 320 kbps
  - WMA: 768 kbps
  - AC3: 640 kbps
  - AAC: 320 kbps.
- Movie files to which DRM (Digital Right Management) is applied may not be played.

Playing a movie file

1. Connect the USB storage device containing the movie files to the USB port.
2. Press ⌂ **> Gallery >** and select the desired movie file. The movie will be played.

3. Touch the screen to hide control bar. Touch the screen again to show the control bar again, touch ⮌ to return to the previous screen.

Pause

Touch ⏸ during playback.

Touch ▶ to resume playback.

Playing the next movie

Touch ⏭ to play the next movie.

Playing the previous movie

Touch ⏮ within 5 seconds of playback time to play the previous movie.

Returning to the beginning of the current movie

Touch ⏮ after 5 seconds of playback time.

Scanning forward or backward

Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

Viewing to full screen

From the movie screen, touch **Fit** to view to full screen. Touch **Fit** again to return to the previous screen.

Using the USB movie menu

1. From the movie screen, touch **Menu**. The USB movie menu is displayed.

2. Touch the desired menu.

- Tone Settings: Set the sound feature. *Tone settings* ⇨ *105*
- Auto Volume: Volume will be automatically controlled. *Auto volume* ⇨ *96*
- Clock Temp Display: To display the clock and temperature on the full screen, select On or Off.
- Display Settings: Adjust the Brightness and Contrast.

3. After the setting is complete, touch ⮌.

Phone

Note
Limited to models supporting the Bluetooth connection.

Bluetooth

Understanding Bluetooth wireless technology

Bluetooth wireless technology establishes a wireless link between two devices supported with Bluetooth.

After the initial pairing, the two devices can connect automatically each time you turn them on.

Bluetooth allows wireless transmission of information among Bluetooth phones, PDAs, or other devices within close ranges by using 2.45 GHz frequency short-distance wireless telecommunication technologies.

Within this vehicle, users can make hands-free calls, transmit hands-free data, and play audio streaming files by connecting a mobile phone with the system.

Note

- There may be restrictions on using Bluetooth wireless technology in some locations.
- Due to the variety of Bluetooth devices and their firmware versions, your device may respond differently when performing over Bluetooth.
- Any inquiries regarding your phone's Bluetooth functionality, refer to the device manual.
- Multi-pairing is not supported.

Pairing a Bluetooth device

To use the Bluetooth feature, make sure the Bluetooth on your device is turned on and your device should be discoverable mode. Refer to user guide of Bluetooth device.

When there is no paired device in the infotainment system

1. Press ⌂ on the control panel.
2. Touch **Phone** on the home menu.

   Or press ✆ on the control panel.

   Or press ✆ on the steering wheel remote control.
3. Touch **Search Device** to search for Bluetooth phones.
4. Touch the desired device to pair on the searched list screen.

   (1) If the SSP (Secure Simple Pairing) is supported, touch **Yes** or **Pair** on the pop-up screen of the your Bluetooth device and infotainment system.

   (2) If the SSP is not supported, input the PIN code on your Bluetooth device as shown on the screen.
5. When your Bluetooth device and infotainment system is successfully paired, the 'Phone' screen is displayed on the infotainment system.

If the connection fails, a failure message is displayed on the infotainment system.

When there is a previously paired device in the infotainment system

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the device you wish to pair from the 'Device Management' screen, and then follow step 6. To add a device not in the list touch **Search Device**.
5. Touch the desired device to pair on the searched list screen.
   (1) If the SSP is supported, touch **Yes** or **Pair** on the pop-up screen of the your Bluetooth device and infotainment system.
   (2) If the SSP is not supported, input the PIN code on your Bluetooth device as shown on the screen.
6. When your Bluetooth device and the infotainment system is successfully paired, ♪/✆ displayed on the 'Device Management' screen.

- The connected phone is highlighted by ✆ mark.
- The ♪/✆ mark indicates the hands-free and phone music function are enabled.
- The ✆ mark indicates only hands-free function is enabled.
- The ♪ mark indicates only Bluetooth music is enabled.

Note

- The phone book is automatically downloaded when your Bluetooth phone is successfully paired with the infotainment system, if supported by the phone.

  If it is not automatically downloaded, proceed with the phone book download on your phone.

  It is recommended that you always accept the phone book request during the initial pairing of the phone.
- The infotainment system can register up to ten Bluetooth devices.
- If the connection fails, a failure message is displayed on the infotainment system.
- If the phone book lists are more than 5000, the infotainment system does not guarantee proper listing of remaining phone book entries.
- Depending on the phone book entries, pairing time may be different.

Checking a connected Bluetooth device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management.**
4. The connected device will be shown.

Disconnecting a Bluetooth Device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the name of the device you wish to disconnect.
5. Touch **Disconnect**.

Connecting a paired Bluetooth device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the device you wish to connect.

Deleting a Bluetooth device

If you no longer need to use the Bluetooth device, you can delete it.

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch 🗑.
5. Touch **Delete**.

Hands-free phone

Making a call by entering a phone number

1. Enter the phone number using the keypad on the Phone screen.

2. Touch ✆ on the screen or press on the steering wheel remote control. Alternately, press ✆ on the control panel.

Note

If you touch the wrong number, touch ⬅ to delete the input number one digit at a time or touch and hold ⬅ to delete all the inputted numbers.

Switching call to the mobile phone (Private mode)

1. If you want to switch the call to the mobile phone instead of the car hands-free, touch .
2. If you want to switch the call back to the hands-free, touch again.

   The call is switched to the car hands-free.

Switching the microphone on/ off

You can switch the microphone on/ off by touching .

Calling by Re-dial

From the steering wheel remote control, press ☎ or touch ✆ on the 'Phone' screen.

Note
Redialing is not possible when there is no call history.

Taking calls

1. When a phone call comes through the connected Bluetooth mobile phone, the playing track will be paused and the phone will ring with the relevant information displayed.
2. To talk on the phone, press ☎ on the steering wheel remote control or touch ✆ on the screen.
   To reject the call, press the ☎ on the steering wheel remote control or touch ✆ on the screen.

Using the Contacts menu

1. Touch **Contacts** on the Phone screen.
2. Use ▲ / ▼ to scroll through the list.
3. Select the Phone book entry you want to call.
4. If a contact has two or more phone numbers, touch a number to call.

Searching for Contacts entries

1. Touch **Contacts** on the Phone screen.
2. Touch on the Contacts screen.
3. Use the keypad to input the name you want to search.

   For details, see '*Searching for a name*' below.
4. Select the Phone book entry you want to call.

Searching for a name

For example, when the user searches for a name, such as 'alex'.

1. Touch **abc** to select the first character.

   The names starting with 'a', 'b', or 'c' characters are displayed on the Contacts screen.
2. Touch **jkl** to select the second character.

   The names are refined with 'j', 'k', or 'l' second characters are displayed.

3. Touch **def** to select the third character.

   The names are refined with 'd', 'e', or 'f' third characters are displayed.

4. Touch **wxyz** to select the fourth character.

   The names are refined with 'w', 'x', 'y', or 'z' fourth characters are displayed.

5. As more letters of the name are entered, the list of possible names is shortened.

Note
At anytime if the desired name is displayed it can be selected without continuing entering characters.

Making a call from call history

1. Touch **Call History** on the 'Phone' screen.
2. Touch , , or .

   : All call history

   : Dialed call

   : Missed call

   : Received call

3. Select the contact you want to call.

Making a call with speed dial numbers

Touch and hold speed dial number using the keypad on the 'Phone' screen.

Only speed dial numbers already stored on the mobile phone can be used for speed dial calls. Up to 2-digit speed dial numbers are supported.

For 2-digit speed dial numbers, touch and hold the 2nd digit to make a call to the speed dial number.

Voice mail

The default voice mail number is the phone number of the currently connected phone. The voice mail number can be changed in Bluetooth settings.

To dial a voice mail number:

1. Press the Phone screen button.
2. Select Voice Mail.
3. Select Call.

Smartphone applications

Android Auto, Apple CarPlay

The phone projection applications Android Auto™ and Apple CarPlay™ display selected Apps from your smartphone on the infotainment screen and allow their operation directly via the infotainment controls.

Check with the device's manufacturer if this function is compatible with your smartphone and if this application is available in your area.

Downloading the App

Depending on the smartphone, you may be required to download an application to your smartphone.

Android phone:
Download the Android Auto App to your smartphone from the Google Play store.

Android Auto may not be compatible with all Android devices.

iPhone:
There is no additional App required to use Apple CarPlay.

Check on the manufacturer's website whether Apple CarPlay is available with your smartphone.

Note
Ensure SIRI is activated on your iPhone.

Activating phone projection in the settings menu

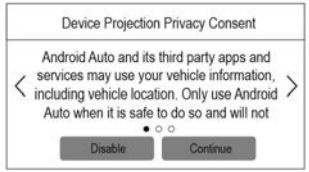
Once the applicable smartphone is connected, CarPlay or Android Auto will automatically operate. This can be changed; *Settings* ⇨ *118*

- Ensure the respective application is activated.

Connecting a mobile phone

Connect the smartphone to the USB port with a genuine cable; *USB port* ⇨ *97*

When your device is first connected, the Device Projection Privacy Consent message will be displayed.


Device Projection Privacy Consent
Android Auto and its third party apps and services may use your vehicle information, including vehicle location. Only use Android Auto when it is safe to do so and will not
Disable
Continue

- If you touch 'Continue', the projection feature is activated.
- If you touch 'Disable', the device will charge only.

Note

- If the application is recognised by the infotainment system, the Projection icon may change to **Android Auto** or **Apple CarPlay**.
- The phone projection screen displayed depends on your phone and software version.

Further information

For further information go to:

- Apple CarPlay: https://support.apple.com/ and search for CarPlay.
- Android Auto: https://support.google.com/ and search for Android Auto.

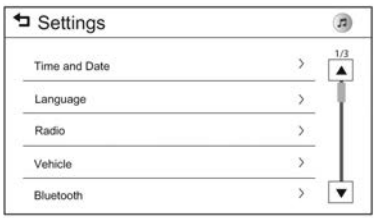
Returning to the home screen

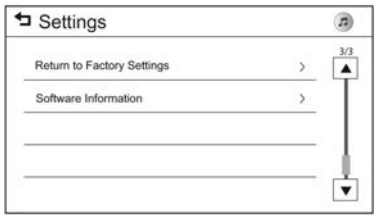
Press ⌂.

Settings

General operation of the settings menu

1. Press ⌂ on the control panel.
2. Touch **Settings**.
   As desired, scroll to display available options.





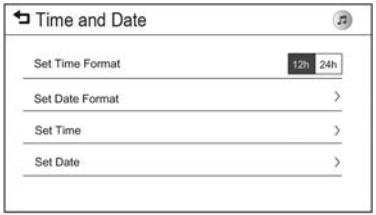
3. Select the desired setting value.

Note

Settings menus and functions may vary depending on your vehicle option.

Time and date

1. Touch **Time and Date**.



- Set Time Format: Select 12h or 24h time display.
- Set Date Format: Set the date display format.
  - DD/MM/YYYY
  - MM/DD/YYYY
  - YYYY/MM/DD
- Set Time: Set the time by touching +/-.
- Set Date: Set the date by touching +/-.

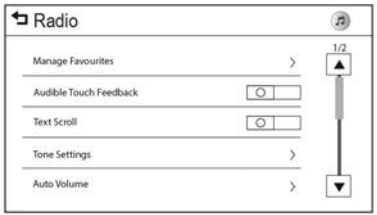
Language

1. Touch **Language**.

2. Select language displayed on the infotainment system.

Radio

1. Touch **Radio**.



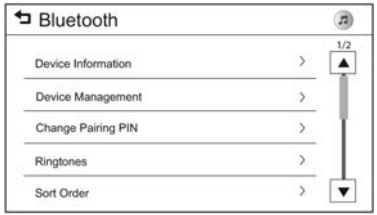
- Manage Favourites: Select the number of favourite list on the radio screen.
- Audible Touch Feedback: Allow audible feedback when touching the radio screen.
- Text Scroll: Allow scrolling of text such as radio station identification, messages, or music information.
- Tone Settings: Set the sound feature. *Tone settings* ⇨ *105*
- Auto Volume: Volume will be automatically controlled. *Auto volume* ⇨ *96*
- Maximum Startup Volume: Set the max startup volume. (13 to 37)

Vehicle

Vehicle personalisation ⇨ *76*

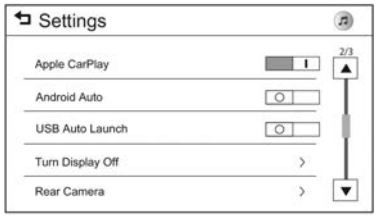
Bluetooth

1. Touch **Bluetooth**.



- Device Information: Check the device information.
- Device Management: Select the desired device and connect/ disconnect or delete.
- Change Pairing PIN: Manually change/set the PIN code.
- Ringtones: Change the ringtone.
- Sort Order: Change the sorting order of contacts. (First/Last or Last/First)
- Voice Mail Numbers: Change the voice mail number.

Apple CarPlay



1. Select **Apple CarPlay** on or off.

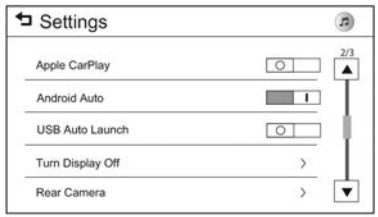
- On with USB Auto Launch set to On: If you connect an iPhone through the USB port, it will launch automatically.
- On with USB Auto Launch set to Off: If you connect an iPhone through the USB port, the Apple CarPlay icon will appear on the Home screen.
- Off (default): If you connect an iPhone through the USB port, it will not launch automatically.

Note

Even though Apple CarPlay is set to Off, connecting a device and touching the Projection icon on the home screen will display the following pop up message:

'While active, Apple CarPlay will be displayed on this screen'.

Android Auto



1. Select **Android Auto** on or off.

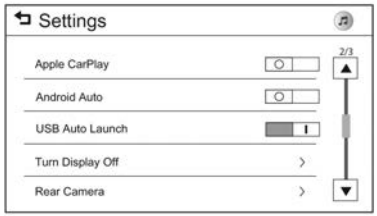
- On with USB Auto Launch set to On: If you connect an Android phone through the USB port, it will launch automatically.

- On with USB Auto Launch set to Off: If you connect an Android phone through the USB port, the Android Auto icon will appear on the Home screen.
- Off (default): If you connect an Android phone through the USB port, it will not launch automatically.

Note
Even though Android Auto is set to Off, connecting a device and touching the Projection icon on the home screen will display the following pop up message:

'While active, Android Auto will be displayed on this screen'.

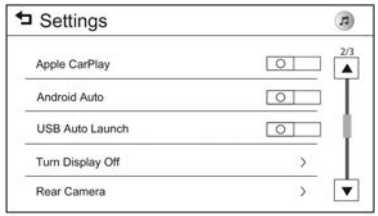
USB auto launch



1. Select **USB Auto Launch** on or off.

- On (default) with Apple CarPlay and Android Auto Off: If you connect the device through the USB port, it will automatically launch USB audio.
- On (default) with Apple CarPlay and Android Auto On: If you connect the device through the USB port, it will automatically launch Phone Projection.
- Off: If you connect the device through the USB port, it will not be launched automatically.

Turn display off

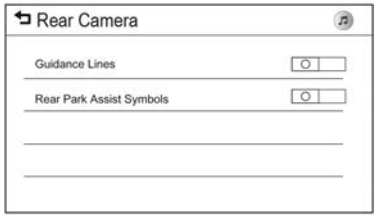


1. Touch **Turn Display Off** to turn the display off.

- Press any button or touch the screen to turn the display back on.

Rear camera

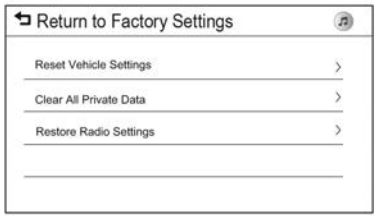
1. Touch **Rear Camera**.



- Guidance Lines: Select to turn the display guidance lines on or off.
- Rear Park Assist Symbols: Select to display the rear park assist symbols on or off.

Return to factory settings

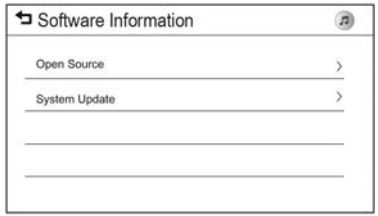
1. Touch **Return to Factory Settings**.



- Reset all vehicle settings: Restores all vehicle settings.
- Clear All Private Data: Clears all private data from the system.
- Restore Radio Settings: Restores all radio settings.

Software information

1. Touch **Software Information**.



- Open Source: Display Open Source Software licensing information.
- System Update: Update the system.

Climate control

Air conditioning system..... 123
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Air conditioning system

Controls

1. Temperature
2. Fan speed
3. Air distribution
4. Air recirculation
5. Air conditioning

⚠Danger

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.

Temperature

Rotate the temperature switch:

Red: warm

Blue: cold

Fan speed

Rotate the fan speed switch ✣ to the desired speed, between **0** and **4**.

Air distribution

Select an air outlet by rotating the switch. Air is directed:

- : To the instrument panel vents.
- : To the instrument panel vents and floor vents.
- : To the floor vents. A small amount of air is directed to the windscreen and side vents.
- : Between the windscreen and floor vents and some to the side vents.
- : To the windscreen with a small amount of air directed to the side vents.

Air recirculation

1. Press .

Windscreen demister

1. Rotate the temperature switch to the desired temperature.
2. Press .
3. Rotate the fan speed switch to the desired speed.
4. Rotate the air distribution switch to .

   Note
   If air conditioning is not required, rotate the air distribution switch to .

⚠Warning

Driving with recirculation mode on for a prolonged period of time can make you sleepy. Periodically switch to outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Air conditioning

The air conditioning system cools and dehumidifies (dries) the intake air, therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Even though the air conditioning is turned on, the vehicle will produce warm air if the air temperature switch is in the red area.

1. Turn the ignition on.
2. Rotate the temperature switch to the desired setting.
3. Press ❄.
4. Rotate the fan speed switch to the required speed.
5. Rotate the air distribution switch to the required setting.

To turn the air conditioning system off:

1. Rotate the fan speed switch ✱ to **0** or press ❄.

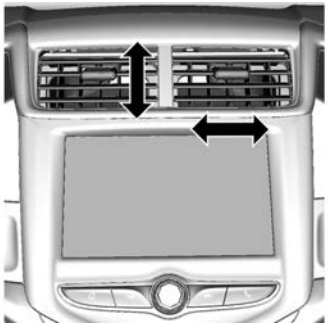
Maximum cooling

Use maximum cooling for quick cooling of the passenger compartment.

1. Turn the ignition on.
2. Rotate the temperature switch to cold air.
3. Press ❄.
4. Rotate the fan speed switch ✱ to **4**.
5. Press 🚗.

Air vents

Adjustable air vents



Direct the air flow by tilting the vents.

Note
At least one air vent must be open while the air conditioning is on.

1. Rotate the switch anti-clockwise.
2. Rotate the vent to the desired direction.
3. To close, rotate the switch clockwise.

⚠Warning

Do not attach objects to the vents. Damage or injury may occur.

Fixed air vents

Fixed air vents are located beneath the windscreen, front door windows and in the footwells.

Maintenance

Air intake

Outside air is drawn into the vehicle through the opening between the bonnet and the windscreen.

Keep the area clear of debris.

Pollen/dust filter

The passenger compartment air filter filters contaminants such as pollen and dust from entering the vehicle.

Caution
Have the passenger compartment air filter replaced if driving frequently on dusty and unpaved roads or polluted areas.

Air conditioning regular operation

To ensure efficient performance, switch the cooling on for a few minutes once a month, even in winter.

Note
Cooling is not possible when the outside temperature is low.

Driving and operating

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Driving information

Before entering the vehicle

Check the windows, mirrors and lamps are clean.

Visually check tyre inflation. Check tyre pressures weekly.

Before driving off

1. Close and secure all doors.
2. Position the seat for comfortable driving.
3. Adjust rear view mirrors.
4. Fasten seat belts.
5. Check the warning indicators illuminate when turning the ignition on.
   Warning lights, gauges and indicators ⇨ 60

Starting and operating

New vehicle running-in

Use the following precautions to improve performance:

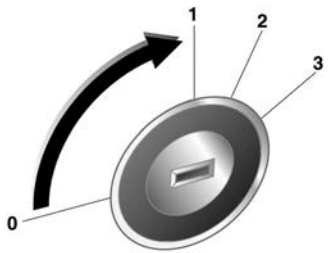
- Do not make full throttle starts.
- Avoid downshifting to brake or slow the vehicle.
- Avoid hard stops except in emergencies. This will allow your brakes to bed in properly.
- Avoid hard stops except in emergencies to avoid premature wear and early replacement of brakes.
- Avoid heavy acceleration and prolonged high speed driving to avoid damage to the engine and to conserve fuel.
- Do not tow any other vehicle.

Brakes

- Do not let the vehicle run down hills, or coast with the engine off, as the power assistance does not operate.
- Ensure there are no obstructions which could limit brake pedal use.
- Continuous or heavy use of brakes will shorten the life of the brake pads.

Ignition positions

Vehicles with ignition switch



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0. LOCK : The key can only be inserted and removed from this position.

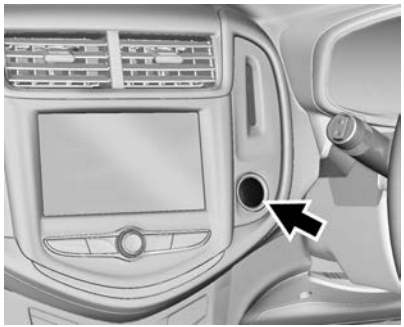
1. Ignition Accessory: When the key is in this position, the audio system operates.

2. Ignition On : When the key is in this position, the engine is ready to start and all electrical systems are active.

3. Engine Start : Turn the key to this position and release when the engine is running.

Caution
Do not leave the key in positions 1 or 2 for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

Vehicles with electronic key



The electronic key must be inside the vehicle.

Accessory power mode : press the Engine Start/Stop button once without operating the brake pedal.

The yellow LED in the button illuminates. The steering wheel lock is released and some electrical functions are operable; the ignition is off.

Ignition on power mode : press and hold the Engine Start/Stop button for 6 seconds without operating brake pedal.

The green LED in the button illuminates. Control indicators illuminate and most electrical functions are operable.

Engine Start : depress the brake pedal and press the Engine Start/Stop button once. Release the button after the starting procedure begins.

Ignition Off : press the Engine Start/Stop button briefly in each mode or when engine is running. Some functions remain active until the driver's door is opened.

Steering wheel lock

The steering wheel lock activates automatically when:

- The vehicle is stationary, and
- The ignition has been switched off, and
- The driver's door is opened.

To release steering wheel lock:

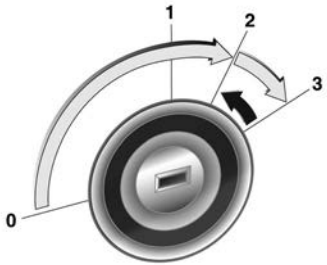
- Open and close driver's door and switch on accessory mode or start the engine directly.

⚠Warning

If the vehicle battery is discharged, the vehicle must not be flat-towed or push started as the steering wheel lock cannot be disengaged.

Starting the engine

Vehicles with ignition switch



1. Apply the park brake firmly.
2. Turn the key to position 1 while moving the steering wheel slightly to release the lock.

   Manual transmission: Push the clutch pedal to the floor and move the shift lever to the neutral position.

   Automatic transmission: Move the shift lever to **P** or **N**.

   Do not operate the accelerator pedal.
3. Turn the key to position 3.
4. Release the key when the engine is running.

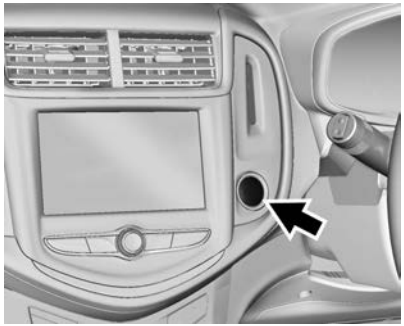
Before restarting or to switch the engine off, turn key back to position 0.

Caution

Do not keep the key in position 3 for more than 10 seconds.

If the engine does not start, wait 10 seconds before trying again.

Vehicles with electronic key system



1. Apply the park brake firmly.
2. Move the shift lever to the park or neutral position.
3. Depress the brake pedal. Do not operate the accelerator pedal.
4. Press and release Engine Start/ Stop button. An automatic procedure operates the starter with a short delay until the engine is running.

Before restarting, or to switch off the engine, press Engine Start/Stop button once more.

Note

- Do not depress the accelerator pedal while starting the engine.
- Do not subject the engine to full throttle acceleration or high speeds until it has reached normal operating temperature.

  Premature engine wear or damage may result.

Starting the engine with a low transmitter battery

If the electronic key battery is weak or the electronic key fails, the Driver Information Centre may display 'No remote detected', when you try to start the vehicle.

Vehicle messages ⇨ 71

1. Place the electronic key in front of the shift lever transmitter pocket.
2. Depress the brake pedal and press the Engine Start/Stop button.

3. To switch off the engine, press the Engine Start/Stop button again.
4. Remove the electronic key from the transmitter pocket.

This option is intended for emergencies only. Replace the electronic key battery as soon as possible.

Remote control ⇨ *18*

For unlocking or locking the doors. *Fault in remote control system* ⇨ *23*

Retained Accessory Power (RAP)

Retained power off

The following electrical systems operate for 10 minutes after the ignition is switched off:

- Power windows
- Power outlets
- Infotainment system

The infotainment system can be turned back on.

Once the driver's door is opened after the ignition is switched off, the:

- The power windows operate for approximately 45 seconds, and
- The infotainment system will turn off but can be turned back on.

Parking

1. Apply the park brake firmly without pressing the release button.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.

   On an uphill slope, turn the front wheels away from the kerb.

   On a downhill slope, turn the front wheels towards the kerb.
3. Shut all windows.
4. Turn the ignition off and for vehicles with ignition switch, remove the key.
5. Press on the key to lock all doors.
   Keys and locks ⇨ *16*

⚠Warning

Be careful where you park or drive. As with any vehicle, do not park or operate the vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Exhaust gases are hazardous, especially if they concentrate in closed rooms.

Never leave the engine running in an enclosed space such as a closed garage or underground car park.

Engine exhaust

⚠Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault repaired by a Holden Dealer.

Avoid driving with an open tailgate, otherwise exhaust gases could enter the vehicle.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Use of low quality fuel or fuel with too low an octane number may damage the engine, the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

If the engine misfires, runs unevenly, engine performance is reduced or other problems occur, contact a Holden Dealer as soon as possible.

In an emergency, drive for a short period, keeping the vehicle and engine speed low.

Automatic transmission

The automatic transmission allows manual (manual mode) or automatic gear shifting (automatic mode).

The automatic transmission is an electronically controlled six-speed transmission. Sixth gear is overdrive.

⚠Warning

Do not press the accelerator pedal while shifting from **P** or **N** to **R** or a forward gear.

Use **D** as much as possible.

Never shift to **P** or **R** while the vehicle is in motion.

When stopping on an uphill grade, do not hold the vehicle in place by pressing the accelerator pedal. Use the brake pedal.

Press the brake pedal when shifting from **P** or **N** to **R** or a forward gear.

Selecting a gear

1. Press the brake pedal while moving the shift lever to either the **R**, **D** or **M**.

⚠Warning

Do not shift between **D** and **R** or **P** while the vehicle is moving.

2. Release the park brake and the brake pedal.
3. Slowly press the accelerator pedal.

Transmission display

The selected gear or transmission mode is displayed on the instrument cluster.

Shift lever

P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral)

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

M: (manual) *Manual mode* ⇨ *137*

Caution

Do not accelerate while engaging a gear.

Never depress the accelerator pedal and brake pedal at the same time.

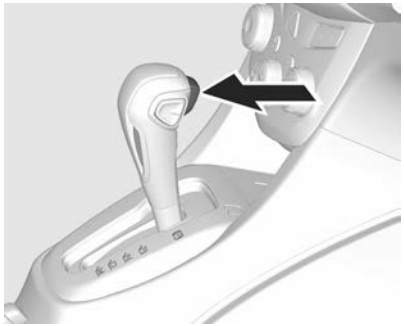
When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Do not use the **P** (park) position in place of the park brake.

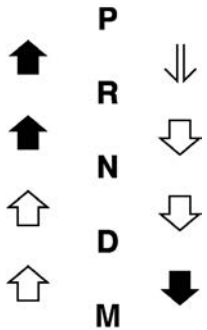
Turn off the engine, apply the parking brake and remove the ignition key when leaving the vehicle.

Never leave the vehicle unattended while the engine is running.

Shifting between gear positions



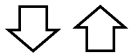
Movement between certain gear positions requires pressing the release button on the shift lever and/or the brake pedal to the floor.



Follow the descriptions as indicated by the arrows when moving the shift lever.

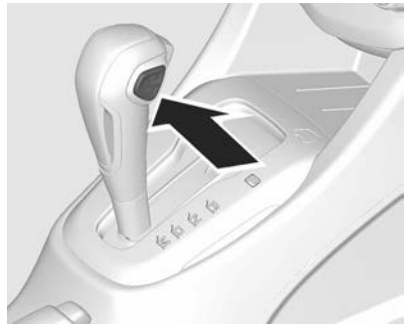
Press the release button to select a gear.

Push the brake pedal to the floor and press the release button to select a gear.



Shift freely to select a gear.

Manual mode



1. Move the shift lever to position **M**.
2. Press the gear shift button on the side of the shift lever:

   +: shift up gear

   –: shift down gear

Note

- To maintain the required levels of vehicle performance and safety, certain gearshifts may not occur when in manual mode.

- Downward shifts are made automatically when the vehicle slows down.
- When the vehicle stops, first gear is automatically selected.

Engine braking

To utilise the engine braking effect, select a lower gear when driving downhill.

⚠Warning

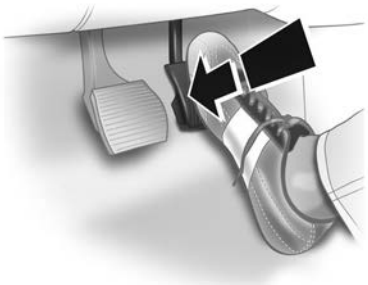
Do not downshift by two or more gear positions at one time.

Note
Use of engine compression during long mountainous descents may prolong the life of your brakes.

Parking

1. Press the brake pedal.
2. Select position **P**.
3. Pull the park brake lever up firmly.
4. Remove the ignition key.

Kickdown



For faster acceleration:

1. Press the accelerator pedal all the way down and hold.

   The transmission shifts to a lower gear depending on the engine speed.

Neutral idle control

This feature is designed to reduce fuel consumption when idling and stationary.

When idling in a forward gear while the brake pedal is pressed, the transmission switches into neutral.

When the brake pedal is released, the transmission switches back to the selected forward gear.

Fault

In the event of a fault, illuminates. The transmission no longer shifts automatically or manually because it is locked in a certain gear.

Contact a Holden Dealer.

Interruption of power supply

If the power supply is interrupted, the shift lever cannot be moved out of position **P**.

If the battery is discharged, start the vehicle using jump leads.

Jump starting ⇨ 185

If the battery is not the cause of the fault, release the shift lever and remove the ignition key from the ignition lock.

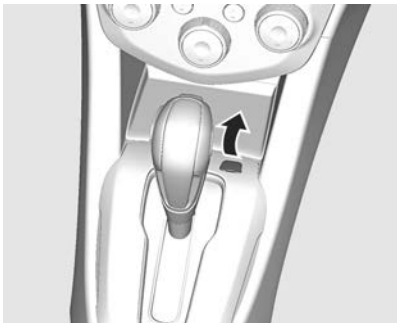
Release shift lever

Before shifting out of **P**:

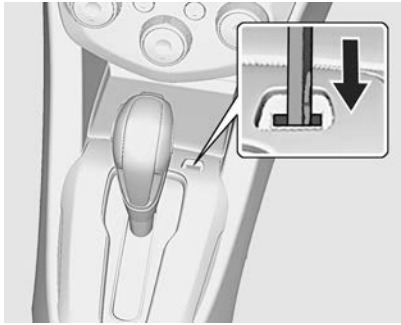
1. Turn the ignition on.
2. Press the brake pedal to the floor.

If you cannot shift out of **P** with the ignition on and the brake pedal pressed:

3. Turn the ignition off and remove the key.
4. Press and hold the brake pedal.
5. Apply the park brake firmly.



6. Remove the cap on the centre console with a thin object such as a flat-blade screwdriver.



7. Press the ignition key into the slot.
8. Move the shift lever to **N**.
9. Remove the key from the slot.
10. Replace the cap.
11. Have the vehicle repaired by a Holden Dealer as soon as possible.

Manual transmission

- To engage reverse gear, pull the ring on the shift lever upwards then engage the gear.
- Do not engage reverse gear while the vehicle is moving.
- If the gear does not engage, move the shift lever to neutral, release the clutch pedal, press the clutch pedal again then repeat gear selection.
- Ensure the clutch pedal is completely pushed to the floor.
- Do not use the pedal as a foot rest.

Caution
Do not drive with your hand resting on the shift lever.

Brakes

The brake system comprises two independent brake circuits.

If one brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is pressed firmly. Considerably more force is needed for this.
The braking distance is extended. Contact a Holden Dealer.

Caution
Do not drive with your foot resting on the brake pedal. This will accelerate wear of the brake components and cause the brakes to become overheated.

⚠Warning

After driving through deep water, washing the vehicle or using the brakes excessively such as when descending a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating.

Shift to a lower gear when going down hills. Do not continuously apply the brakes.

To dry out the brakes:

- Ensure there is a clear area ahead.
- Lightly apply the brakes.
- Maintain a slow forward speed until performance returns to normal.

Antilock Brake System (ABS)

The ABS:

- Continuously monitors the vehicle's braking system preventing the wheels from locking up.
- Allows maximum braking effort while full steering control is retained, even in the event of panic braking.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. You should always adjust the vehicle's speed to suit road and traffic conditions. Always maintain an adequate distance to the vehicle in front of you.

Operation

ABS operation is noticeable by pulsing of the brake pedal and the noise of the regulation process.

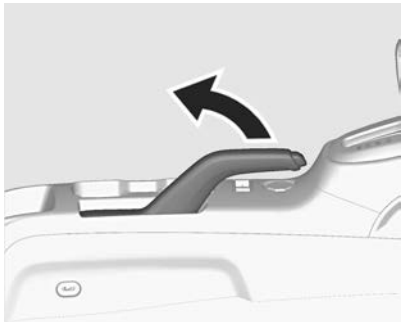
Keep the brake pedal fully pressed throughout the braking process, without pumping it.

Caution

If there is a malfunction with the ABS, the vehicle's brake system remains operational, but without ABS assistance. Have a Holden Dealer check the system as soon as possible.

Antilock Brake System (ABS) warning light ⇨ 66

Park brake



Applying the park brake:

1. Pull the lever up firmly, without pressing the release button.

Releasing the park brake:

1. Pull the lever slightly upwards.
2. Push in the release button on the top of the lever and lower the lever all the way down.

⚠Warning

Never drive the vehicle with the park brake applied.

Brake assist

If the brake pedal is pressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill Start Assist (HSA)

The HSA system assists in preventing rollback when driving off, while on an incline.

1. Release the brake pedal.
2. Press the accelerator pedal.

   The brakes remain on for approximately 2 seconds.

Ride control systems

Traction Control System (TCS)

TCS improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels start to spin, engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TCS is activated as soon as the ignition is turned on.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Operation

TCS can be deactivated when spinning of drive wheels is required:

1. Press OFF
   illuminates

To reactivate TCS:

1. Press OFF again
   TCS is also reactivated the next time the ignition is turned on.
   Traction Control System (TCS) off light ⇨ *67*

Electronic Stability Control (ESC)

The ESC:

- Improves driving stability in any driving situation.
- Assists in maintaining vehicle stability when the vehicle's grip level is exceeded such as a sudden lane change, slippery or unexpected road conditions.
- Alters engine power and/or braking on specific wheels, improving the vehicle's steering control and power delivery, on wet or slippery roads, particularly on snow and ice.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Activation

- The ESC is automatically switched on each time the engine is started.
- When ESC is active illuminates.
  Electronic Stability Control (ESC) light ⇨ *67*

Deactivation

In certain circumstances, it may be helpful to deactivate ESC.

1. Press OFF for several seconds.

   OFF illuminates on the instrument cluster.

   ESC is reactivated by pressing OFF again.

Cruise control

The cruise control:

- Maintains the vehicle's speed without pressure on the accelerator pedal.
- Will only operate at speeds above approximately 25 km/h.
- Controls are located on the passenger side of the steering wheel.

⚠Warning

Do not use the cruise control when road or driving conditions require varying speeds. A consistent speed isn't practical in heavy, varying traffic or on winding, slippery or rough roads.

The cruise control does not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills it is possible for the vehicle to lose speed. You may need to switch off the cruise control and use the accelerator pedal.

Setting cruise control

1. Press .

   illuminates white.
2. Accelerate to the desired speed (above 25 km/h).
3. Rotate the wheel towards **SET/-** and release.

   illuminates green.
4. Take your foot off the accelerator pedal.

Increasing set speed

1. Rotate the wheel towards **RES/+** and hold it.

   The vehicle will accelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **RES/+** and release it immediately.

   The speed will increase by 1-2 km/h.

Decreasing set speed

1. Rotate the wheel towards **SET/-** and hold it.

   The vehicle will decelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **SET/-** and release it immediately.

   The speed will decrease by 1-2 km/h.

To temporarily accelerate

When the cruise control is on:

1. Press the accelerator pedal.

   Note
   Increasing speed will not interfere with cruise control operation or change the set speed.

To return to the set speed:

1. Take your foot off the accelerator pedal.

Temporary deactivation

Do one of the following:

- Press .
- Reduce vehicle speed below approximately 25 km/h.
- Press the brake pedal or press the clutch pedal.

illuminates white.

Resume stored speed

When the cruise control has a desired speed previously set:

1. Press **RES/+**.

   The most recently set speed will automatically resume.

Deactivation

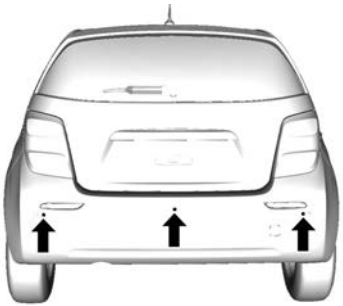
1. Press .

   extinguishes.

Object detection systems

Park Assist (PA)

The vehicle may have PA.



The PA system is able to detect and indicate obstacles at the rear of the vehicle when reversing.

The system consists of three sensors on the rear bumper.

⚠Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle. The PA is only an aid and is neither intended to, nor able to take over any responsibility.

The park sensors may not be able to detect all objects under every condition e.g. objects too close to the vehicle, objects above or below the sensors, or objects with a surface that absorbs ultrasonic waves.

Additionally, some ambient conditions like ultrasonic waves or heavy rain can cause disruptive reflections from an object's surface. Such objects may not be detected.

Always manoeuvre the vehicle slowly to allow yourself sufficient time to react. The warning tones may not sound if the vehicle's speed is above 10 km/h.

Activation

The system is activated automatically when:

- The ignition is turned on
- Reverse gear is selected

Alarm tones

- Alarm tones sound when an object is detected.
- The interval between the alarm tones becomes shorter as the vehicle gets closer to an object.
- When the distance is less than 40 cm, the alarm tones sound continuously.

Deactivation

The PA is deactivated automatically when:

- Reverse gear is deselected.
- A fault occurs in the system.

Fault

If a fault occurs, P illuminates:

- Move the vehicle with care.
- Check and clean the sensors.

Notes on operation

- The alarm tones differ depending on the objects detected.
- If the sensors receive other ultrasonic signals, e.g. metallic sounds or exhaust brake noise from heavy commercial vehicles, the system may not work properly.
- The system may not activate if the sensors are frozen or covered with dirt.
- Clean dirty sensors with a soft sponge and clean water.
- Do not push or scratch the surface of the sensors.
- Do not hit or direct high pressure water directly at the sensors as they may be damaged.
- The system may not recognise sharp objects, thick winter clothes or other materials which absorb ultrasonic waves.
- The system may not operate correctly when the vehicle is driven over uneven surfaces.

Rear Vision Camera (RVC)

The rear vision camera (RVC) system is designed to assist the driver when reversing by displaying a view of the area behind the vehicle.

The RVC cannot display objects:

- Close to the corners of the vehicle.
- Forward of the camera.
- Higher than the camera.

Note

- The distance of the objects seen on the display differs from the actual distance.
- The area displayed depends on the road condition and vehicle orientation.

⚠Warning

Never rely solely on the rear vision camera when reversing the vehicle. There are blind spots that cannot be sensed by the camera.

The rear vision camera is not intended to replace the driver's judgment or attention toward the rear of the vehicle when reversing.

Before entering the vehicle, always check the area around the vehicle is clear of obstacles and people.

Always perform head checks and use the vehicle's mirrors when reversing.

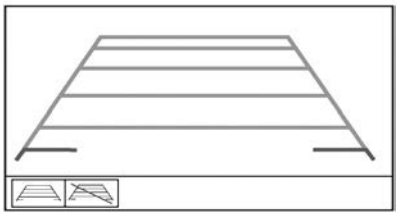
If the vehicle sustains any damage in the area of the rear vision camera, the camera may become misaligned. Contact your Holden Dealer.

Activation

When the ignition key is in the ON position and the vehicle is shifted into R (Reverse), the rear vision camera image is displayed on the infotainment display.

Once the vehicle is shifted out of R, the infotainment system display returns to the previous screen.

Guidelines



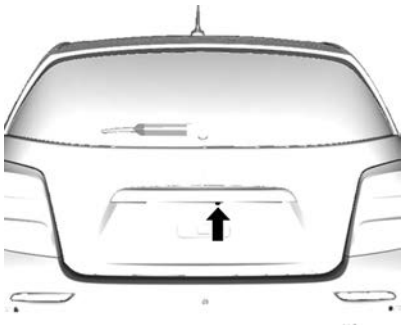
When the camera image is displayed, guidelines are also displayed to assist with reversing the vehicle.

- Touch to hide the guidelines
- Touch to show the guidelines

⚠Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle. The camera display and guidelines are only an aid and are neither intended to, nor able to take over any responsibility.

Camera location



The camera is located on the tailgate at the rear of the vehicle.

Cleaning

The lens requires regular cleaning to ensure optimum performance.

Use only a soft cloth, mild soap and water.

⚠Warning

Do not use abrasive cleaners or scouring pads as they could scratch the lens, impairing the systems performance.

Always keep the camera lens free from dirt, snow or ice. Only use mild soap and water with a soft cloth to clean the lens.

If the system does not operate properly

The rear view camera may not operate properly or display a clear image if:

- The rear view camera or the guidelines are turned off. *Rear camera ⇨ 122*
- It is dark.
- The sun or headlight beams are shining directly into the camera lens.
- Ice, snow, mud, or anything else covers the camera lens.
- There are extreme temperature changes.
- The rear of the vehicle is damaged. The position and mounting angle of the camera can change or the camera can be affected. Have the camera and its position and mounting angle checked at your Holden dealer.

Fuel

⚠Danger

EXHAUST WARNING – CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

Gases could be inhaled if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- Each time the vehicle is serviced.
- Whenever a change is noticed in the sound of the exhaust system.
- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to a Holden Dealer if you think the vehicle needs inspecting for any of the above reasons.

Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running. Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.

Driving with the tailgate open is not recommended. If you must travel with the tailgate open, close all windows, ensure the climate controls are set to outside (rather than recirculate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h.

⚠Warning

FUEL

Fuel is extremely flammable and highly explosive.

Always switch off the engine of the vehicle and any mobile phones when refuelling.

Do not smoke or allow open flames or sparks near the vehicle when refuelling.

If fuel fumes are detected while driving, the cause should be found and corrected without delay by a Holden Dealer.

Caution

FUEL ADDITIVES

Various additives are used in the formulation of good quality fuel and the use of supplementary additives in fuel is not required unless specified by Holden.

Under no circumstances should fuel containing the manganese additive known as MMT (methyl cyclopentadienyl manganese tricarbonyl) be used, as this additive is known to cause contamination of catalytic converters, spark plugs and the malfunction of On-Board-Diagnostic (OBD) systems.

The use of fuel additives that are not recommended by Holden may affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the additives affect the specifications and quality of the vehicle.

Caution

USE OF FUEL CONTAINING ETHANOL

When purchasing such fuel, we recommend that the vehicle be operated on fuel containing no more than 10% ethanol.

Under no circumstances should fuel containing more than 10% ethanol be used. Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation.

These adverse effects could result in permanent damage to the vehicle and personal injury.

It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

The use of fuel containing more than 10% ethanol may also affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the fuel affects the specifications and quality of your vehicle.

The use of any fuel, other than the fuel specified below, may seriously damage the vehicle and may void the warranty. Only clean fuel of good quality should be used.

Fuel type

Use unleaded petrol of regular 91 Research Octane Number (RON) rating or higher.

Use of Premium unleaded petrol (95 RON or higher) may provide a small improvement in performance and fuel economy.

Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel which contains abnormal fuel properties.

Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

Refuelling

Always fill the fuel tank at the intermediate or fast fill rate. Do not add any more fuel after the fuel filler first clicks off or fuel blows back. This allows room for the fuel to expand inside the tank.

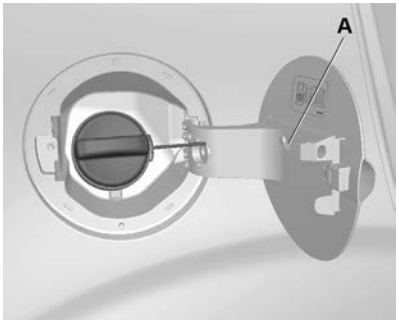
Wipe off any overflowing fuel immediately from the vehicle. Replace the fuel cap and close the fuel opening then spray or splash with water.

The fuel filler door is located on the driver side of vehicle, at the rear.

1. Stop the engine.

2. Press .
3. Open the fuel filler door.
4. Rotate the fuel filler cap slowly, anti-clockwise.

   If a hissing sound is heard, wait for it to stop before completely unscrewing the cap.



5. Remove the cap.
   The cap is tethered to the hinge.
6. Hook the cap over (A) while refuelling.
7. After refuelling, close cap.
8. Rotate the cap clockwise until it clicks.
9. Push the fuel filler door closed until it latches.

Note If in cold weather the fuel filler door does not open, tap the door lightly.

Vehicle care

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General information

Where specified, use only Holden genuine parts and accessories.

Emission information

The emission control systems are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. HC and NOx, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, CO is toxic when it becomes highly concentrated in the air.

Emission control system

Major emission control systems that the vehicle may have are:

1. Evaporative emission control system. This system is designed to prevent the escape of fuel vapour from the fuel system and recycle the vapours through the normal combustion process.
2. Crankcase emission control system. This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. Exhaust emission control system. The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust emission control system consists of components including electronic control of spark, fuel and idle speed. In addition vehicles have a catalytic converter and closed loop mixture control system.

It is recommended that service and repair to fuel or emission systems be carried out by an authorised Holden Dealer.

Owner responsibility

The engine, engine control system and exhaust system of the vehicle must NOT be modified in any way.

⚠Warning

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules. It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

Have the vehicle serviced at the frequency shown in the Maintenance schedule, in the Service & Warranty Booklet.

It is recommended that servicing be carried out by an authorised Holden Dealer who will maintain the vehicle's emission control system as per the Service & Warranty Booklet.

Vehicle storage

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain the washer fluid reservoir.
- Check coolant and corrosion protection.
- Adjust the tyre pressure to the value specified for a full load.
- Park the vehicle in a dry, well ventilated place.
- Engage first or reverse gear to prevent the vehicle from moving.
- Do not apply the park brake.
- Open the bonnet, close all doors and lock the vehicle.

  Disconnect the clamp from the negative terminal of the vehicle battery.

  Close the bonnet.

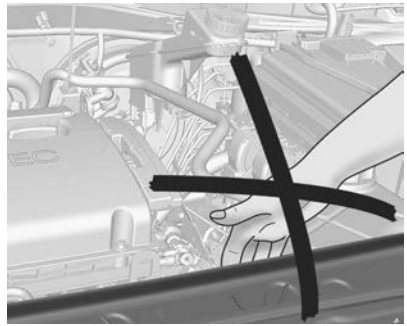
Before returning the vehicle to the road:

- Connect the clamp to the negative terminal of the vehicle battery.

  Check the power windows operation.
- Check the tyre pressures.
- Fill the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.

Vehicle checks

Doing your own service work



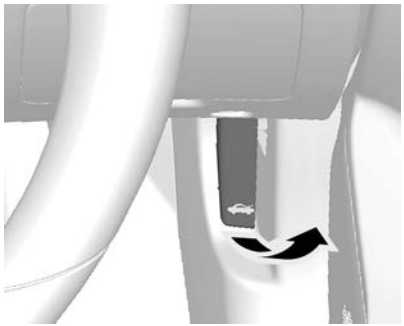
⚠Warning

Do not touch engine compartment components when the ignition is on due to extremely high voltages.

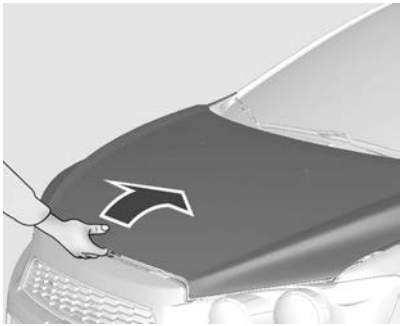
Note
The cooling fan may still operate when the ignition is off.

Bonnet

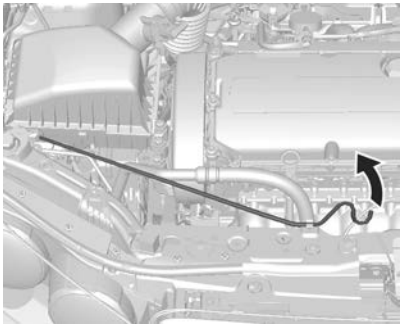
Opening



1. Pull the release lever rearwards.
2. Return the lever to its original position.



3. Push the safety catch towards the passenger side and open the bonnet.



4. Pull up the support rod away from the holder.
5. Secure on the driver’s side of the bonnet.

Closing

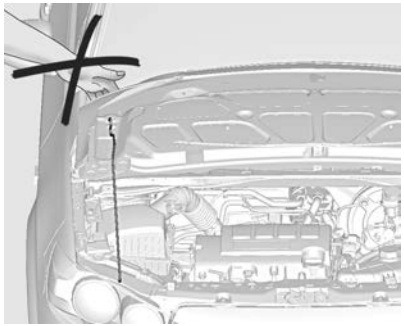
⚠Warning

To avoid injury and/or damage to the vehicle, check each time, before the bonnet is closed, that the contact area is unobstructed.

1. Place the support rod into the holder.
2. Lower the bonnet and allow it to drop into the catch.
3. Check the bonnet is engaged.

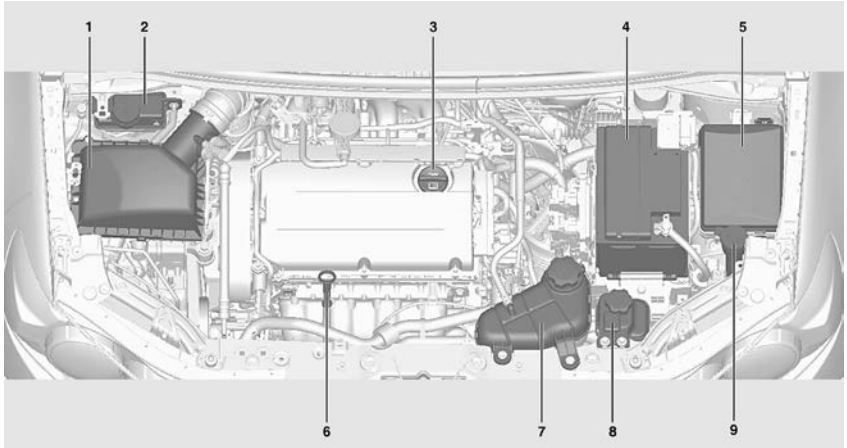
⚠Warning

If while driving you notice that the bonnet has not been properly closed, pull the vehicle over to the side of the road at the earliest possible moment and close the bonnet correctly.



Note
Do not pull down on the bonnet when the bonnet is supported by the rod.

Engine compartment overview



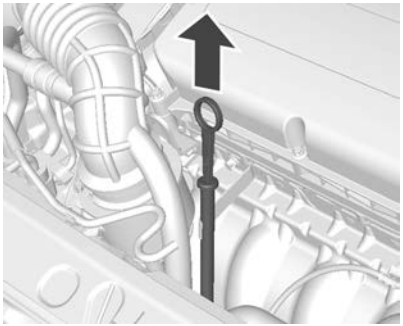
1. *Engine air filter* ⇨ *161*
2. Brake & clutch fluid reservoir. *Brake fluid* ⇨ *164*
3. Engine oil filler cap. *Adding engine oil* ⇨ *160*
4. *Battery* ⇨ *165*
5. Engine compartment fuse box. *Fuses* ⇨ *170*
6. Engine oil dipstick. *Checking oil level* ⇨ *159*
7. Engine coolant reservoir. *Engine coolant* ⇨ *161*
8. Hydraulic power steering fluid reservoir. *Power steering fluid* ⇨ *162*
9. Windscreen washer fluid reservoir. *Washer fluid* ⇨ *163*

Engine oil

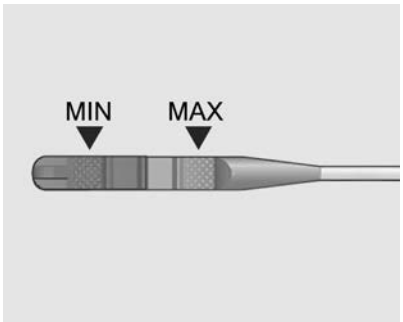
Checking oil level

- Check the engine oil level before a long journey.
- The engine must be at operating temperature and the ignition turned off for at least 5 minutes.

1. Park the vehicle on a level surface.
2. Remove the dipstick and wipe clean.
3. Insert the dipstick to the stop on the handle.



4. Remove and read the oil level.



The level should be at the MAX mark. Add oil if the level is at the **MIN** mark.

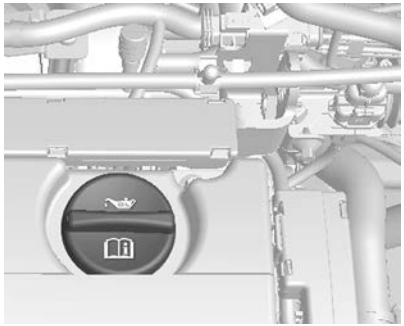
5. Insert the dipstick to the stop on the handle.

Note
The engine oil level must not exceed the **MAX** mark on the dipstick.

For correct engine oil specification; *Recommended fluids, lubricants and parts* ⇨ *196*

Adding engine oil

Capacities ⇨ 201



The engine oil filler cap is located on the top of the engine.

1. Rotate the engine oil filler cap anti-clockwise and remove.
2. Add enough oil to reach below the **MAX** mark on the dipstick.
3. Check the level on the dipstick and add further oil if necessary.

   The engine oil must not exceed the **MAX** mark on the dipstick.

Caution

Overfilled engine oil must be drained or suctioned out.

4. Replace the engine oil filler cap tightly by rotating clockwise.

Note

Non-detergent and other low quality oils, the use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended.

⚠Danger

Engine oil is an irritant and if ingested, can cause illness or death.

Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be careful when draining the engine oil as it may be hot.

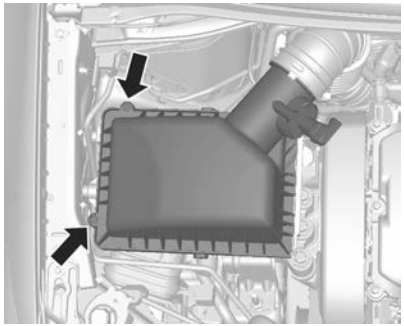
Engine oil change intervals

Refer to your Service & Warranty Booklet and also refer to;
Engine oil life system ⇨ 195

Automatic transmission fluid

Automatic transmission fluid does not normally require servicing unless the vehicle is operated under certain conditions. Refer to your Service & Warranty Booklet.

Engine air filter



1. Unscrew both screws.
2. Loosen the cover hinges.
3. Open the cover.
4. Replace the air filter.
5. Lock the cover with the cover hinges and screws.

Caution

Do not operate the vehicle without the air filter installed.

Engine damage may occur.

Engine coolant

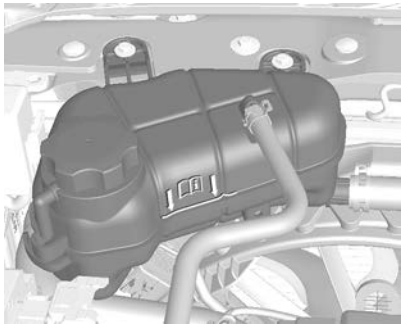
Engine coolant level

Check the coolant level at least once a week.

Checking coolant level

⚠Warning

Do not remove the radiator cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.



If the cooling system is cold, the coolant level should be above the line on the coolant reservoir.

Adding coolant

Caution

If the coolant level is too low, engine damage may occur.

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Note

Use only approved coolant.

Recommended fluids, lubricants and parts ⇨ 196

1. Turn the ignition off.
2. Remove the coolant reservoir cap.
3. Add the required amount of coolant.
4. Replace the cap securely.
   If the coolant requires regular topping up, contact a Holden Dealer.

⚠Warning

Avoid repeated or prolonged contact with coolant.

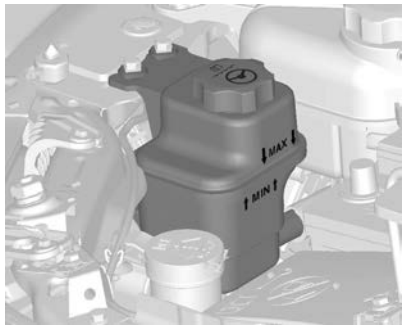
Wash off with soap and water.

Keep out of reach of children.

Power steering fluid

The vehicle may have hydraulic power steering.

Adding power steering fluid



The hydraulic power steering fluid level must be between the **MIN** and the **MAX** marks.

Use only Holden specified power steering fluid.

Recommended fluids, lubricants and parts ⇨ 196

1. Turn the ignition off.

Caution

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly.

Do not allow contaminants to contact the fluid side of the reservoir cap/dipstick or to enter the reservoir.

2. Rotate the power steering fluid reservoir cap anti-clockwise and remove.
3. Add the required amount of power steering fluid.

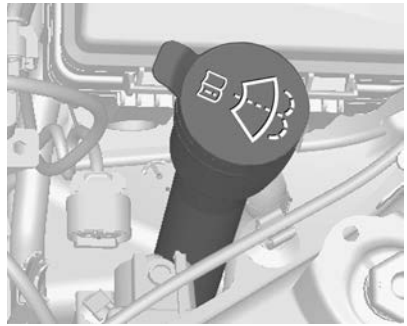
   Do not overfill the reservoir.

If the power steering fluid requires regular topping up, contact a Holden Dealer.

Caution

Do not operate the vehicle without the required amount of power steering fluid. Damage to the power steering system may occur.

Washer fluid



Check the fluid level weekly.

Adding washer fluid

1. Lift the front of the cap up.

   Use the correct amount of washer fluid additive. Refer to a Holden Dealer.
2. Secure the cap.

Note

Do not use ordinary soap or detergent as they froth up and damage the wiper rubbers.

Brake fluid

⚠Warning

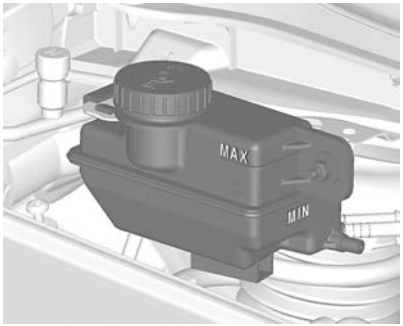
Brake fluid is poisonous and corrosive and will damage the paint finish of the vehicle if spilt.

Caution

Avoid contact with eyes and skin. Wash any affected area immediately.

On manual transmission vehicles, the brake fluid reservoir is also used for the hydraulic clutch system.

Checking brake fluid level



The level should be between the **MIN** and **MAX** area.

If the fluid level is correct, do not remove the reservoir cap, as brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding brake fluid

Recommended fluids, lubricants and parts ⇨ 196

1. Turn the ignition off.
2. Wipe the sides of the cap clean.
3. Rotate the brake fluid reservoir cap anti-clockwise and remove.
4. Top up with the recommended brake fluid.

⚠Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

If the brake fluid requires regular topping up, contact a Holden Dealer immediately.

Caution

Do not dispose of used brake fluid with household waste.

Use the local, authorised waste management facility.

Battery

⚠Warning

Batteries emit an explosive gas mixture which may be ignited. Therefore, you should keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with plenty of water. In case of eye contact, flush with plenty of water and contact a doctor immediately. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.

Keep batteries out of the reach of children.

Take care with all metal objects and tools including items you may wear (for example jewellery, rings and metal watch bands) near battery terminals.

The vehicle battery is maintenance free.

Battery replacement

Battery location; *Engine compartment overview* ⇨ *158*

For replacement, refer to a Holden Dealer or authorised repairer.

Caution

Do not dispose of batteries with household waste.

Use the local, authorised waste management facility.

Battery disconnection

The battery may discharge if the vehicle is not used for approximately four weeks.

To disconnect the battery:

1. Turn the ignition off.
2. Disconnect the clamp from the negative terminal of the vehicle battery.

   Ensure the ignition is turned off before reconnecting the vehicle battery.

For emergency starting when the battery is flat; *Jump starting* ⇨ *185*

Bulb replacement

Contact a Holden dealer if unsure about the bulb replacement process.

When replacing bulbs:

- Turn the ignition off and remove the key.
- Turn off related switches.
- Fit bulbs of the specified wattage only.
- Do not touch bulbs or reflectors with bare hands.
- Clean stained bulbs with methylated spirits.

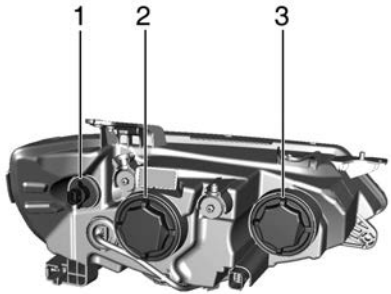
Bulbs to be changed by a Holden Dealer

- Side turn signal lamps
- Daytime running lamps
- Front fog lamps
- Centre High Mounted Stop lamp (CHMSL)
- Courtesy lamps

Caution

Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

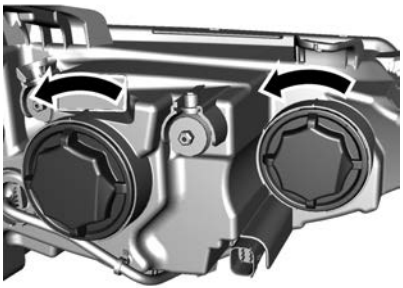
Headlamp and front turn signal lamps



1. Front Turn Signal Lamp
2. Low-Beam Headlamp
3. High-Beam Headlamp

Low and high beam

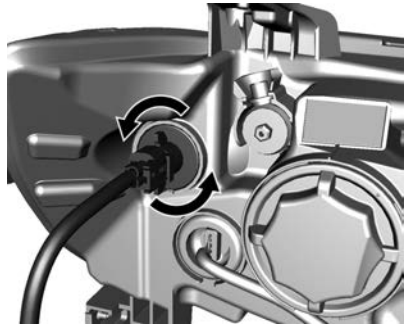
1. Open the bonnet. *Bonnet* ⇨ *156*
2. For the passenger side bulb replacement, remove the windshield washer bottle filler neck by turning it anti-clockwise one-quarter turn and pulling it straight up and out of the bottle.



3. Remove the desired headlamp bulb access cover.
4. Turn the bulb counterclockwise and pull straight back.
5. Disconnect the wiring harness connector from the bulb
6. Install the new bulb in the headlamp assembly by turning clockwise.
7. Reconnect the wiring harness connector.
8. Install the headlamp bulb access cover.
9. For the passenger side bulb, replace the windshield washer bottle filler neck by turning it one-quarter turn clockwise into the bottle.
10. Check lamp operation.

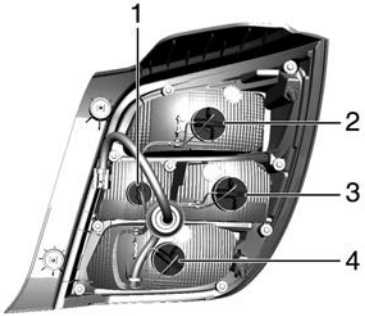
Front turn signal lamp

1. Open the bonnet. *Bonnet* ⇨ *156*



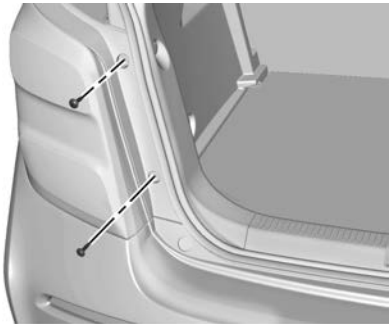
2. Remove the turn signal lamp bulb socket from the headlamp assembly by turning counterclockwise.
3. Remove the bulb from the bulb socket by pulling it straight out.
4. Install the new bulb in the bulb socket.
5. Install the bulb socket into the headlamp assembly by turning clockwise.
6. Check lamp operation.

Tail lamp, turn signal, stop lamp and reverse lamp



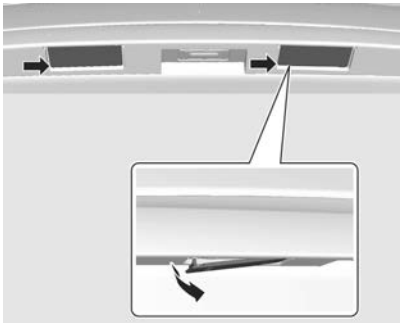
1. Reverse Lamp
2. Stop Lamp / Tail lamp
3. Turn Signal Lamp
4. Tail Lamp

1. Open the tailgate.



2. Remove the two screws securing the tail lamp assembly.
3. Remove the tail lamp assembly by pulling it straight back until the two lugs disengage from their grommets.
4. Remove the desired bulb socket from the tail lamp assembly by turning it counterclockwise.
5. Remove the bulb by pulling it straight out.
6. Install a new bulb into the bulb socket.
7. Install the bulb socket into the tail lamp assembly by turning it clockwise.
8. Install the tail lamp assembly and tighten the two screws.
9. Check lamp operation.

Number plate lamp



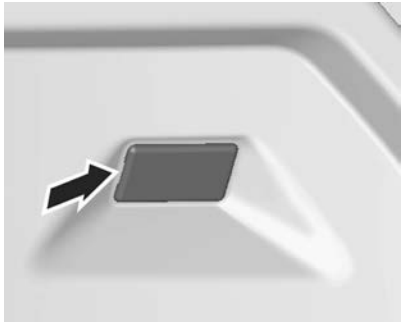
1. Prise the lamp out with a screwdriver.

   Note
   Wrap tape around the screwdriver tip and take care not to damage the paintwork.
2. Remove the bulb housing by pulling downwards.

   Do not pull on the cable.
3. Rotate the bulb holder anti-clockwise to disengage.
4. Remove the bulb from the holder.
5. Insert a new bulb.
6. Insert the bulb holder into the bulb housing and rotate clockwise.
7. Insert the bulb housing and secure using a screwdriver.
8. Check lamp operation.

Interior lamps

Load compartment lamp



1. Using a flat-blade screwdriver, prise the lamp assembly outwards.

2. Remove the bulb.
3. Insert a new bulb.
4. Replace the lamp assembly firmly into place.
5. Check lamp operation.

Electrical system

Fuses

⚠Warning

Turn off the ignition (LOCK position) and any electrical equipment before changing a fuse.

- Replace blown fuses promptly.
- A blown fuse can be recognised by its melted wire.
- Do not replace the fuse until the cause of the fault has been remedied.
- Some functions are protected by several fuses.

Fuse extractor

A fuse extractor is located in the fuse box in the engine compartment.

Place the fuse extractor on the top or side of the fuse to extract the fuse.

Replace the fuse cover securely after use.

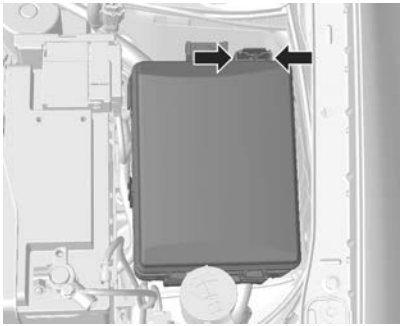
⚠Warning

When replacing a fuse, use a fuse of the specified amperage.

Never install a wire or similar as it could damage electrical components and cause a fire.

Any improper alterations to the electrical system may cause a fire hazard and engine damage. To maintain your own safety and that of the vehicle, have any work involving the electrical system or the replacement of high current fuses or relays carried out by a Holden Dealer.

Engine compartment fuse box

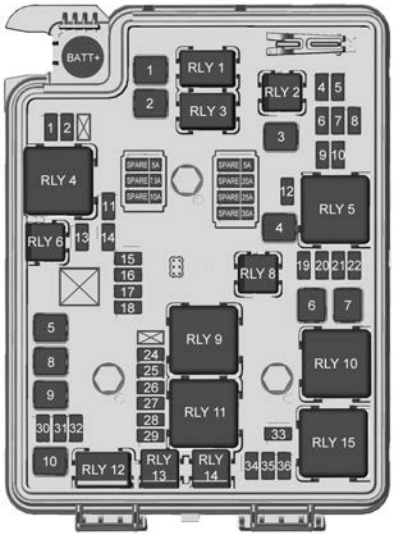


The fuse box is located in the engine compartment.

To disengage the cover:

1. Lift upwards and remove.

Note
Not all fuse box descriptions may apply to your vehicle.



Mini Fuses

1 ABS valve
2 Sunroof
3 —
4 Rear fog lamp
5 Outside rear view mirror (OSRVM) / Power window switch
6 Automatic occupant sensing (AOS) / ROS
7 Passive entry / Passive start (PEPS)
8 RVC
9 Rear wiper
10 —
11 Rear window defogger
12 ESCL
13 – / SAI valve
14 Heated outside rear view mirror (OSRVM HTD)
15 Front heated seats
16 Fuel system control module (FSCM1)
17 Canister vent
18 Washer
19 Fuel pump
20 Engine control module (ECM-5)

21 Fuel system control module (FSCM-2) /Levelling
22 TCM-1/ DC DC converter
23 —
24 Engine control module (ECM-1)
25 Coil
26 Engine control module (ECM-4)
27 Engine control module (ECM-3)
28 Engine control module (ECM-2)
29 Injector / Ignition coil
30 Engine control module (ECM)
31 A/C clutch
32 TCM
33 Horn
34 Front fog lamps
35 Left high-beam headlamp
36 Right high-beam headlamp

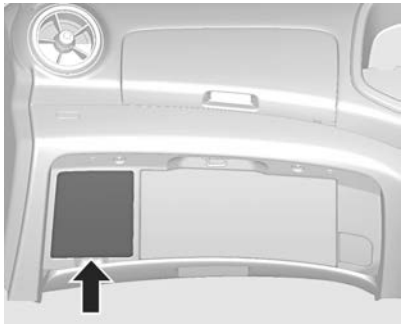
J-case fuses

1 Front wiper
2 ABS pump
3 Blower
4 Run/Crank IEC
5 Power seat
6 Cooling fan K4
7 Cooling fan K5
8 SAI pump
9 EVP
10 Start

Relays

1 Front wiper cont
2 Rear fog lamp
3 Front wiper speed
4 Rear defog
5 Run/Crank
6 – / SAI valve
7 —
8 Fuel pump
9 SAI pump
10 Cooling fan K3
11 P/T
12 Start
13 AC clutch
14 High beam
15 Cooling fan K1

Instrument panel fuse box



The fuse box is located in the glove box.

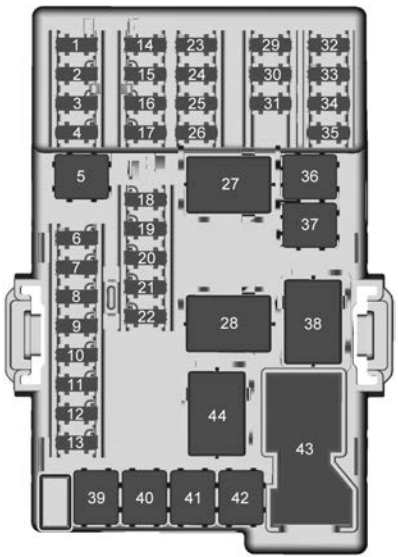
To remove the cover:

1. Open the glove box.
2. Pull up on the lower edge of the cover.

To replace the cover:

1. Insert the cover at the upper edge.
2. Push in at the lower edge to secure.

Note
Not all fuse box descriptions may apply to your vehicle.



Fuses and Relays

1 DLIS
2 Data link connector (DLC)
3 Airbag (SDM)
4 Tailgate (L/gate)
5 Power window rear
6 Body control module (BCM8)
7 Body control module (BCM7)
8 Body control module (BCM6)
9 Body control module (BCM5)
10 Body control module (BCM4)
11 Body control module (BCM3)
12 Body control module (BCM2)
13 Body control module (BCM1)
14 Instrument cluster (IPC)
15 Telematics
16 Rear parking assist (PAS)
17 Rain sensing wiper
18 Audio
19 Trailer1
20 Lane departure warning / FCA
21 CGM
22 HVAC1
23 Automatic headlamp leveling
24 Clutch
25 Instrument cluster / Automatic occupant sensing
26 Airbag / Run / Crank
27 Run relay
28 Liftgate release relay
29 Trailer2
30 Clock spring
31 HVAC2
32 —
33 Sunroof
34 Cigarette lighter
35 ESCL
36 —
37 —
38 Retained accessory power / Accessory
39 —
40 Front power window
41 —
42 IRAP ACCY
43 Battery connector
44 IRAP relay

Vehicle tools

Tools

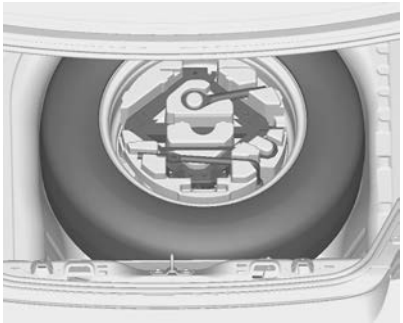
Tyre repair kit

The vehicle may have a tyre repair kit in place of a spare tyre.

The tools and tyre repair kit are located below the floor cover, in the load compartment.

Tyre sealant and compressor kit ⇨ 178

Spare wheel



The jack and tools are located above the spare wheel, in the load compartment.

Tyre changing ⇨ 182

Wheels and tyres

Tyre and rim condition

- To avoid tyre and rim damage and possible tyre blowout, do not drive over sharp edges.
- Drive over edges slowly and at right angles, if possible.
- When parking, ensure the tyres are not pressed against the edge of the kerb.
- Check the tyres regularly for damage, stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Contact a Holden Dealer, if in doubt.

Tyre pressure

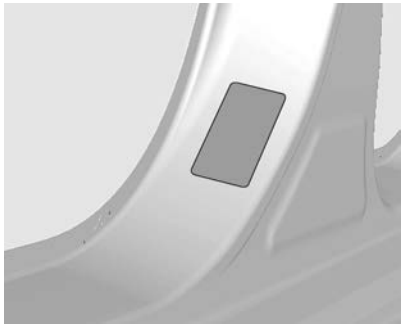
Keep the tyres at the recommended pressures to avoid increased fuel consumption, uneven and premature tyre wear.

The correct pressures are shown on the tyre placard and in the tyre pressure table.

Tyre pressure ⇨ 201

- Tyre pressure should be checked when cold as tyre pressure will increase as the tyres warm up.
- Check the air pressure of tyres (including the spare) weekly, to ensure occupant safety, as well as reducing fuel consumption and increasing the life of the tyres.
- Replace any valve dust caps or extensions.

Tyre placard



The correct pressures for tyres are shown on the tyre placard in the passenger's door frame.

Always inflate the spare tyre to the pressure specified for maximum load.

Tread depth

Check tread depth at regular intervals.

- Replace the tyres when:

  They are worn to the point where the tread wear indicators (TWI) appear.

  The tyres originally fitted to the vehicle have built in TWI. These show as plain bars across the tread pattern at regular intervals across the tyre.

- If there is more wear on the front tyres than on the rear, swap the front and rear wheels.
- Tyres age, even if they are not used. Replacement of tyres every six years is recommended.

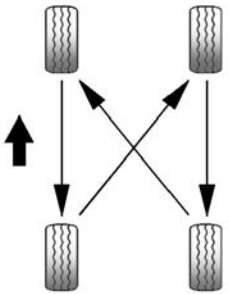
⚠Warning

Do not attempt to drive on a flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded are not capable of being driven safely at high speeds. Therefore, their use is not recommended.

Tyre rotation

It is recommended that you rotate tyres at every scheduled maintenance service.

Driving conditions, driving techniques, vehicle loading and weather may warrant more frequent tyre checks and rotation.



Front and rear tyres can wear differently depending on:

- Types of roads driven on
- Driving habits
- Tyre pressures
- Wheel alignment and balance

New tyres should be fitted in pairs to the front. If replacing only one tyre, pair it on the same axle with the least worn of the other three.

Buying new tyres

Refer to the tyre placard on the vehicle for tyre size and load rating.

Using a different size or type of tyre may affect:

- Ride
- Handling
- Speedometer accuracy
- Vehicle ground clearance
- Tyre clearance
- Snow chain clearance

⚠Warning

Do not use different sizes or types of tyres and wheels than those originally fitted to the vehicle. Safety and performance of the vehicle may be affected. It may also affect handling and lead to serious injury.

When replacing tyres, install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity.

Tyre chains

⚠Warning

Holden only recommends use of tyre chains on 15” and 16” wheels.

Due to limited tyre clearances, tyre chains may cause damage to your vehicle. Fitment of tyre chains is at the risk of the owner.

If you choose to fit tyre chains you should:

- observe all local regulations and advice regarding the use of tyre chains
- use a correctly sized, well fitted, diamond pattern tyre chain
- not exceed speed of 30 km/h
- stop the vehicle in the event of any unusual noise
- check the tyres are inflated to the correct pressure
  Tyre pressure ⇨ *201*

Whenever tyre chains are fitted, switch off the ESC.

Electronic Stability Control (ESC) ⇨ *143*

Tyre sealant and compressor kit

The vehicle may have an emergency tyre sealant and compressor kit, in place of a spare tyre. It is located below the floor cover in the load compartment.

The repair kit:

- Repairs minor damage to the tyre tread or sidewall.

  Note
  Do not remove any objects that have penetrated the tyre.
- Repairs damage up to 4 mm in the tread area of the tyre.
- Does not repair damage at the tyre's side wall, near the rim.

Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

⚠Warning

Do not drive faster than 80 km/h.

Do not drive on the repaired tyre for an extended time. Steering and handling may be affected.

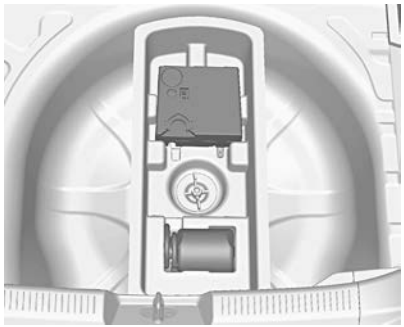
Note

- If unusual noises are heard or the compressor becomes hot, turn the compressor off for at least 30 minutes.
- Check the expiry date on the tyre sealant canister before use. The tyre sealant canister must be replaced before its expiry date.
- The compressor and sealant can be used from approximately –30°C to 70°C.

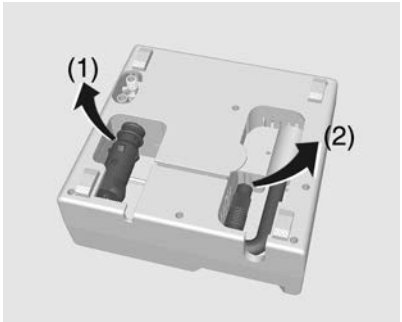
Temporary puncture repair

1. Apply the park brake firmly.
2. Manual transmission; place the shift lever in first or reverse gear.

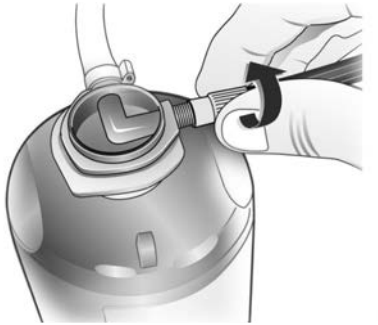
   Automatic transmission; place the shift lever in **P**.



3. Remove the tyre repair kit from the compartment under the floor cover, in the load compartment.
4. Remove the compressor and sealant bottle.



5. Remove the electrical connection cable (1) and air hose (2) from the underside of the compressor.



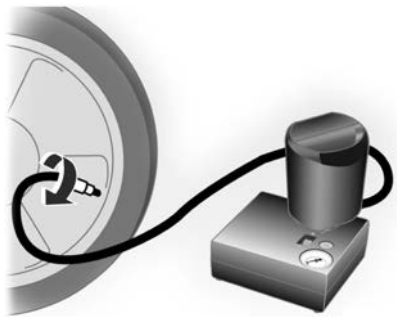
6. Place the switch on the compressor to **O**.
7. Screw the compressor air hose to the connection on the sealant bottle.
8. Connect the compressor plug to the accessory socket (power outlet).
9. Start the engine and let it idle to ensure the battery does not run down.

⚠Warning

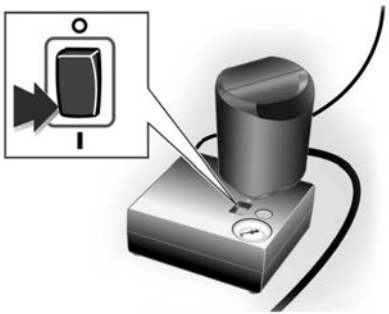
Do not run the engine in an enclosed area or with passengers in the vehicle.

Exhaust gas warnings; *Fuel ⇨ 149*

10. Place the compressor near the tyre so the sealant bottle is upright.



11. Unscrew the valve cap from the defective tyre.
12. Screw the filler hose to the tyre valve.



13. Press the switch on the compressor to **I**.

    The tyre fills with sealant.

    The compressor pressure gauge briefly indicates up to 6 bar while the sealant bottle is emptying (approx. 30 seconds).

    The pressure starts to drop.

    Once the sealant is pumped into the tyre, the tyre is inflated.

    The prescribed tyre pressure (approximately 2.4 bar) should be obtained within 10 minutes.

14. When the correct pressure is obtained, switch off the compressor.

⚠Warning

Do not over inflate tyres due to risk of injury or damage to the tyre.

15. If the tyre pressure is not obtained within 10 minutes, remove the tyre repair kit.
16. Move the vehicle one tyre rotation.
17. Reattach the tyre repair kit and continue the filling procedure for 10 minutes.

⚠Warning

If the recommended pressure cannot be reached after approximately 10 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre repair kit cannot inflate the tyre.

Disconnect and stow the tyre repair kit back in its original position. Contact a Holden Dealer.

18. Drain excess tyre pressure with the button over the pressure indicator.

    Do not run the compressor longer than 10 minutes.
19. Detach the tyre repair kit.
20. Push the catch on the bracket to remove the sealant bottle from the bracket.

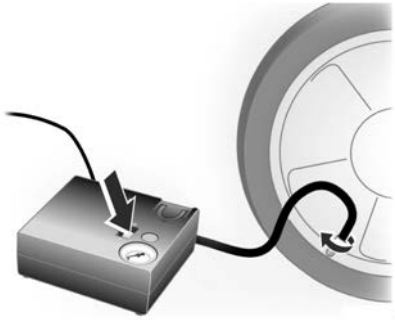
21. Screw the tyre inflation hose to free the connection of the sealant bottle. This prevents sealant from escaping.
22. Stow the tyre repair kit in the load compartment.

⚠Warning

Always stow the tyre repair kit in its original position. Unsecured loads increase the risk of injury during heavy braking, sudden avoidance manoeuvres or a collision.

23. Remove any excess sealant using a cloth.
24. After inflating the tyre, remove the maximum speed label and place it in a visible location.

    It reminds you to drive cautiously and not to exceed 80 km/h until the damaged tyre is replaced or repaired.
25. Continue driving immediately so that sealant is evenly distributed in the tyre.
26. After driving approximately 10 km (but no more than 10 minutes), stop at a safe location to check the tyre pressure.



27. Screw the compressor air hose directly onto the tyre valve and compressor to check the tyre pressure.
28. If the tyre pressure is more than 1.3 bar, set it to the correct value (approx. 2.4 bar).
29. Repeat the procedure from Step 25 until there is no more loss of pressure.

    If the tyre pressure has fallen below 1.3 bar, do not continue driving. Contact a Holden Dealer.
30. Dispose of the used tyre sealant canister at a Holden Dealer or in accordance with local and State codes and practices. Replace with a new canister.
31. Stow the tyre repair kit in the load compartment.

This is a temporary puncture repair. Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

Tyre changing

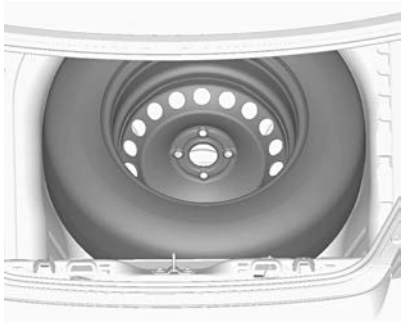
The vehicle may have a spare tyre.

⚠Warning

Failure to observe the following preparations and instructions may result in damage or injury:

- Ensure moving parts of the jack are lubricated before use.
- All passengers must be out of the vehicle when it is being jacked.
- Do not jack a vehicle with a trailer attached. Remove the trailer first.
- Only jack the vehicle on hard, level surfaces.
- Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.
- Do not start or run the engine while the vehicle is supported by the jack.
- Use the jack only for lifting the vehicle when changing wheels.
- Do not get under a vehicle that is supported by a jack. No person should place any part of their body under a vehicle that is supported by a jack.
- Vehicles with alloy wheels may have a steel spare wheel. Drive carefully and do not exceed 80 km/h if the tyre size or tread pattern of the spare tyre is different to the other tyres on the vehicle. Although the spare tyre was fully inflated when the vehicle was new, it can lose air over time. Check the inflation pressure regularly.
- After installing the spare tyre on the vehicle, stop as soon as possible to check the inflation pressure is correct. Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

Removing the spare tyre



The spare tyre is located in the load compartment beneath the floor covering.

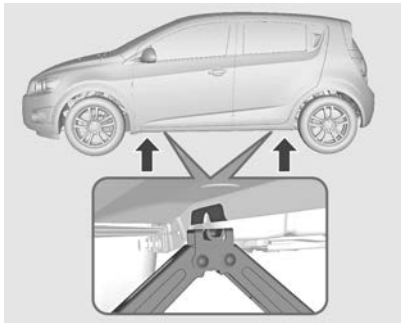
1. Park on a hard, level surface, in a safe location.
2. Apply the park brake firmly.
3. Manual transmission; place the shift lever in first or reverse gear.

   Automatic transmission; place the shift lever in **P**.
4. Switch the hazard warning flashers on.

5. Turn off the engine and remove the key.
6. Chock the wheel diagonally opposite the flat tyre with a suitable solid object.

   Note
   Do not change more than one wheel at one time.
7. Remove the tools from the load compartment.
8. Remove the spare wheel from the load compartment.

9. Place the wheel wrench over the wheel nuts and loosen by half a turn, but do not remove the wheel nuts.



10. Position the jack beneath the jack location closest to the wheel being changed.

    The locations are identified by half circles in the underside of the door sill.
11. Rotate the jack handle to raise the lift head slightly.
12. Attach jack handle to the jack and attach wrench to the jack handle.

13. Wind the jack up by hand until it engages with the jacking point.

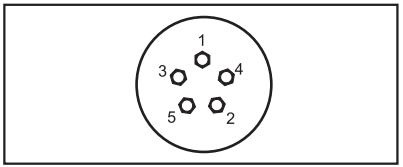
    Ensure that the jack is not tilted and the base is resting squarely on the ground.

⚠Warning

Failure to position the jack as described could cause the vehicle to slip off the jack.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

14. Rotate the wrench checking the correct position of the jack, until the wheel is clear of the ground.
15. Unscrew the wheel nuts and place in a clean, dry place.
16. Exchange the wheel on the vehicle with the spare wheel.
17. Clean the wheel nuts and thread before replacing, then lightly tighten with the wheel nut wrench.
18. Lower the vehicle by reversing the jacking procedure.
19. Remove the jack from under the vehicle.



20. With the wheel on the ground, use the wheel wrench to tighten the wheel nuts in the sequence shown.
21. Replace the flat tyre and tools in the load compartment.

    Note
    To avoid rattling, tighten the screw head on the jack and make sure the jack isn't touching any other vehicle tools.
22. Have the flat tyre renewed or repaired.

⚠Warning

As soon as possible after changing a wheel, have the wheel nuts tightened with a torque wrench to 140 Nm (Newton metres).

Wheel nuts must be tightened evenly to the correct torque, as nuts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.

Jump starting

Jump starting the vehicle

Read the following warnings and procedure in full before attempting to jump start the vehicle.

If you are still unsure about jump starting, Holden strongly recommends for your safety and that of the vehicle that you seek the assistance of a suitably trained service technician.

⚠Warning

Do not push start or tow start the vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, jump start, but do not push start the vehicle.

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, adhere to the following when working near a battery:

- Do not attempt jump starting directly from the battery in the engine compartment.
- Do not let the jumper lead clamps touch each other or other metal parts.
- Do not allow the jumper leads to contact any rotating engine components.

- Do not use open flames or sparks near the battery.
- Do not smoke near the battery.
- Never use a quick charger to start the engine.
- The battery must be removed from the vehicle for recharging.
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with plenty of water immediately. If it gets in your eyes you should not only flush with lots of water, but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage, wash it off immediately.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.

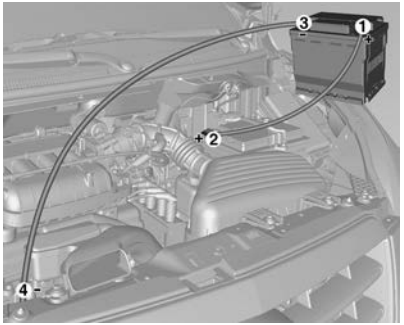
- If a permanently connected hands free telephone kit is fitted to the vehicle, remove the fuse for the telephone kit before jump starting. Remember to replace the fuse afterwards.

- A discharged battery can freeze at temperatures of 0°C.

  Defrost the frozen battery before connecting jumper leads.
- Use a booster battery with the same voltage (12 volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jumper leads with insulated terminals and a cross section of at least 16 mm^2.
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical devices.
- The vehicles must not come into contact with each other during the jump starting process.

1. Position the two vehicles so they are not touching.
2. Apply the park brake firmly.
3. Manual transmission; place the shift lever in neutral.

   Automatic transmission; place the shift lever in **P**.
4. Turn the ignition off.
5. Turn off all lamps and accessories in both vehicles, except the hazard warning flashers or any lights needed for the work area.



6. Connect one end of the RED lead to the positive terminal of the booster battery (1).
7. Connect the other end of the RED lead to the positive terminal of the discharged battery (2).
8. Connect the BLACK lead to the negative terminal of the booster battery (3).
9. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt (4).

   Connect as far away from the discharged battery as possible (at least 60 cm).

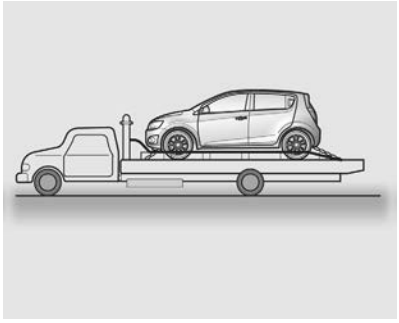
   Note
   Route the leads so that they cannot catch on rotating parts within the engine compartment.
10. Start the engine of the vehicle providing the jump start and allow to idle for at least 5 minutes.
11. Start the engine of the vehicle with the flat battery.

    Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
12. Allow both engines to idle for approximately 3 minutes with the leads connected.
13. Switch on the headlamps and the heated rear window of the vehicle that received the jump start.
14. Leave the engines running while removing the BLACK negative jumper lead first, followed by the RED positive jumper lead.

Note
While removing each clamp, do not touch any other metal while the other end remains attached.

Towing

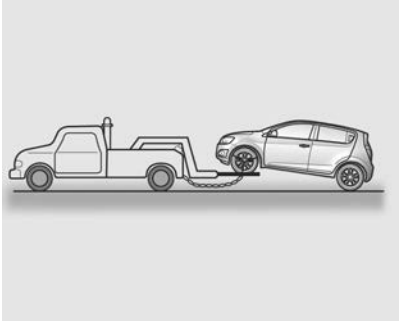
Flat-bed tow truck



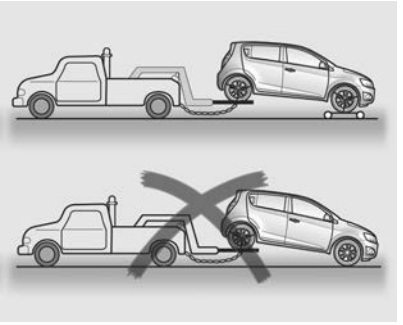
A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

Standard tow truck

If a flat-bed tow truck is not available:



1. Use a standard tow truck, where the front wheels are raised and the rear wheels are in contact with the ground.



2. Alternatively, use a standard tow truck and a towing dolly to prevent the front wheels from contacting the road.

Caution
If the vehicle is towed with the front wheels contacting the road, the vehicle's drive system could be severely damaged.

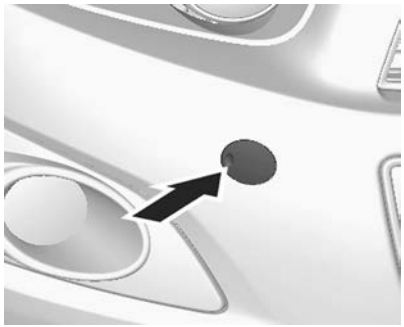
Towing the vehicle

Caution
Automatic transmission: Do not tow the vehicle using the towing eye, the transmission may be severely damaged. Manual transmission: The vehicle may be towed facing forward at a maximum speed of 80 km/h.

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage.

Note

- State and local laws must be followed.
- A driver must be in the vehicle to steer and operate the brakes.
- Release the park brake and place the shift lever in neutral.
- Drive slowly when towing.
- When the engine is not running, considerably more force is needed to brake and steer.
- To prevent the entry of exhaust fumes from the towing vehicle, close the windows and press .
- When the transmission is defective, the front axle must be raised off the ground.



1. Press the cap to disengage and remove.
2. Remove the towing eye from the load compartment.
   Tools ⇨ *174*

3. Screw in the towing eye until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

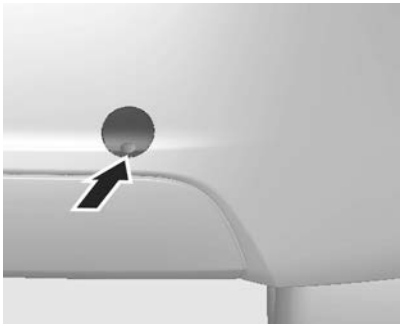
   Note
   The towing eye must only be used for towing and not for recovering the vehicle.
5. Turn the ignition on to release the steering column and to operate the brake lamps, horn and windscreen wipers.
6. Place the shift lever into neutral.

7. After towing, unscrew the towing eye and place back in the load compartment.
8. Reinstall the cap firmly.

Towing another vehicle

⚠Warning

To prevent damage, use only proper towing equipment.



1. Press the cap to disengage and remove.
2. Remove the towing eye from the load compartment.
   Tools ⇨ 174

3. Screw in the towing eye until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

   Note
   The towing eye must only be used for towing and not for recovering the vehicle.
5. After towing, unscrew the towing eye and place back in the load compartment.
6. Reinstall the cap firmly.

Appearance care

Exterior care

Washing

The paintwork of the vehicle is exposed to environmental influences. Wash and wax regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Failure to do so may result in permanent damage, particularly in hot weather conditions.

Road bloom is a gradual build up of road and environmental grime. This should be removed with a paint cleaner once a year, in addition to normal washing.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. Never use an automatic wash that requires anything touching the paint (other than water). The wipers must be switched off. Remove the antenna and external accessories.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors lubricated by a Holden Dealer.

Caution

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and chamois off the vehicle. Rinse chamois frequently. Use separate chamois for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

⚠Warning

Take care when moving the vehicle after washing, in case water has affected the brakes.

Applying the brakes lightly will indicate whether they have been affected.

To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Exterior lamps

Headlamp and other lamp covers are made of plastic. Do not use any abrasive, solvent based cleaners or caustic agents and do not dry-clean them.

Air intakes

Clear debris from the air intakes, between the bonnet and windscreen and below the front bumper, when washing the vehicle.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads).

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

- Never use abrasive cleaners to clean glass.
- Refer to a Holden Dealer for windscreen washer additive.
- Old wiper blades can cause windscreen scratching. Regularly inspect and replace them.

Caution
Do not operate the wiper blades by hand as this damages the wiper drive mechanism.

When cleaning the rear window, make sure the heating element inside is not damaged.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

- Remove oil and grease with soap and water or detergent.
- Do not use petrol to clean tyres.
- Use a good quality tyre and bumper shine if required.
- A good quality wheel cleaner can be used for cleaning alloy wheels.
- Do not use abrasive cleaners.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms.

Have more extensive damage or rust areas repaired by your Holden Dealer.

Caution

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paint work. If you do, wash it off immediately.

Underbody

Substances can cause rust under the vehicle.

- Hose the underbody with clean water whenever the vehicle is washed.
- Where the vehicle is exposed to heavy concentrations of corrosive materials, inspect and wash the complete underbody at least once each year, preferably after winter exposure.

Interior care

⚠Warning

Many cleaning products are toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose.

Ensure that the vehicle is well ventilated while using any cleaners and always follow the cleaning product manufacturer's recommendations. Water based cleaners, rather than solvent based cleaners, are recommended.

Steam cleaning of seats is not recommended.

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with a mild, non-abrasive soap and lukewarm water.

After washing, thoroughly, sponge the solution out of the belts.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Service and maintenance

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General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the intervals as specified.

See your Service & Warranty Booklet for the service schedules and for more information.

Engine oil life system

The vehicle has a computer system that lets you know when to change the engine oil and filter.

The frequency of the oil change depends on driving patterns, engine RPM and engine temperature.

When the system has calculated the oil life has diminished, Code 82 (change engine oil soon) will appear in the Driver Information Centre (DIC).

When Code 82 (change engine oil soon) is displayed, have the engine oil and filter changed as soon as possible, within the next 1,000 km.

It is possible that if you are driving under the best conditions, the oil life system may not indicate that an oil change is necessary for a longer period than that shown in the Maintenance schedule.

However, the engine oil and filter must be changed in accordance with the Maintenance schedule outlined in the Service & Warranty Booklet.

Recommended fluids, lubricants and parts

Engine type	1.6 L DOHC Petrol
Engine oil specification	SAE 5W-30; dexos (Dexos™ 1) or SAE 5W-30; dexos (Dexos™ 2)
Coolant specification	50% clean fresh water and 50% Dexcool® anti-freeze coolant, conforming to specification number GM6277M
Manual transmission fluid	SAE 75W-90
Automatic transmission fluid	Dexron® VI
Brake fluid	DOT 4 Hydraulic brake fluid, conforming to specification number GMW3356
Power steering fluid	Dexron® VI
Battery	12 volts, 60 amp hours

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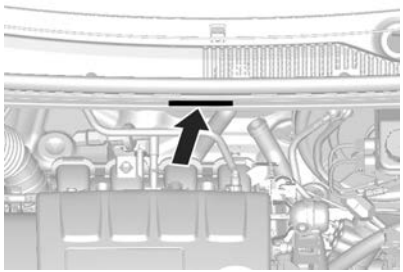
Vehicle identification

Vehicle Identification Number (VIN)



The Vehicle Identification Number (VIN), is engraved in the centre of the firewall and also on a plate on the passenger side at the lower edge of the front windscreen.

Identification plate

An identification label is located on the front passenger's door frame.

The label shows:

1 = Approval number

2 = Manufacturer

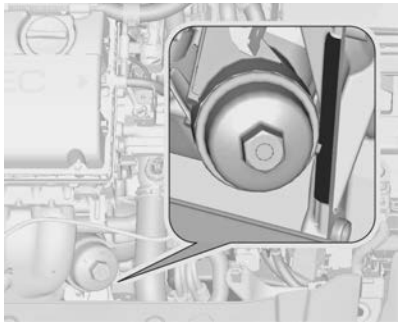
3 = Category

4 = Number of seats

5 = Vehicle identification number

6 = Compliance date

Engine number



The engine serial number is located next to the oil filter.

Vehicle data

Engine data

Engine type	1.6 L DOHC Petrol
Number of cylinders	4
Engine	1598 cc
Engine power	Please refer to holden.com.au
Engine torque	Please refer to holden.com.au
Octane rating (RON)	
Minimum	91
Recommended	91
Ethanol compatibility	E10

Vehicle weight

Overloading is a safety hazard and could also shorten the life of the vehicle.

Maximum vehicle payloads

Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
5	68	408

Axle loads

Maximum front and rear axle loads

Do not exceed the maximum axle loads, including the weight of any options or accessories fitted to the vehicle. Weigh at a weighbridge if unsure.

Front axle load (kg)	Rear axle load (kg)
1090	830

Dimensions (mm)

Length	Width	Height	Wheel base
4039	1735	1517	2525

The above figures are based on the design dimensions.

Capacities

Engine type	1.6 L DOHC Petrol
Refill engine oil including filter (approximately)	4.5 L
Coolant (approximately)	5.6 L
Fuel tank	46.0 L

Tyre pressure

Tyre size	Wheel size	Recommended pressure					
		Front		Rear		Spare	
		kPa	PSI	kPa	PSI	kPa	PSI
195/65 R15 91H	15x6.0J	—	—	—	—	240	35
205/55 R16 91H	16x6.0J	240	35	240	35	—	—
205/50 R17 89H	17x6.5J	240	35	240	35	—	—

Customer information

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Customer Information

Trademarks and licence agreements

- Bluetooth®, the Bluetooth® word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc.

- iPod® and iPhone® are registered trademarks of Apple Inc.
- Apple CarPlay™ is a trademark of Apple Inc.
- Android™, Android Auto™ and Google Play™ are trademarks of Google Inc.

- Dexos® and its associated logos are trademarks of General Motors, LLC.
- Dexron® and Dexcool® and their associated logos are registered trademarks of General Motors, LLC.

Owner assistance

Holden Customer Care

At Holden, we want you to be completely satisfied with your ownership experience. This applies to your vehicle and any Holden representative you may deal with.

Refer below for two options for seeking assistance with your query.

Holden Dealerships

Holden encourages you to seek assistance from your Holden Dealership. Each Holden Dealership is equipped to manage any sales, servicing, parts or technical query.

In the instance that you wish to escalate a query to a higher level of staff, further options are available to you.

As a first step, Holden suggests you discuss any concern with the relevant Department Manager (Sales Manager or Service Manager).

Alternatively, the Dealership General Manager or Dealer Principal will also be happy to assist you.

Holden Customer Care Office

Should you wish to speak to a Holden representative, you are welcome to contact the Holden Customer Care team.

Refer below for operating hours and various methods of communication.

Operating Hours

Weekdays: 8am – 7pm AEST
Saturday: 9am – 1pm AEST

Telephone

Holden Customer Care can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:
1800 033 349

Email

Alternatively, you may prefer to email Holden at:
holdencustomercare@gm.com

Written Correspondence

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
GPO Box 1714
Melbourne 3001

Your written correspondence should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service & Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service & Warranty Booklet in your vehicle's glove box.

Before you write however, remember the telephone is the quicker and more efficient means of communication.

New Zealand

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

0800 HOLDEN (**0800 465 336**)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

Alternatively, you may prefer to email Holden at:

holdencustomercare@gm.com

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
P.O. Box 11195
Ellerslie
Auckland 1542
New Zealand

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